

**ORPEGEN OPC**

**Peptide Chemicals GmbH**

**Amino Acid Derivatives**

**Special Amino Acids**

**Resin-linked Amino Acids**

***2017-2019***

# Table of Content

Table of Content	1
Ordering & Shipping Information	3
Amino Acids and Derivatives	5
Alanine.....	5
β-Alanine .....	12
Aminoisobutyric acid.....	15
GABA, gamma-Aminobutyric acid.....	17
Arginine .....	19
Asparagine .....	25
Aspartic Acid .....	28
Cysteine.....	42
Glutamine.....	48
Glutamic acid.....	52
Pyroglutamic acid .....	67
Glycine.....	68
Histidine.....	74
Hydroxyproline.....	77
Isoleucine .....	80
Leucine.....	85
tert-Leucine.....	92
Lysine.....	94
Methionine .....	108
Norleucine.....	113
Norvaline.....	116
Ornithine .....	118
Phenylalanine.....	124
N-Methyl-Phenylalanine.....	133
Phenylglycine.....	134
Proline.....	136
Serine .....	142
Threonine .....	150
Tic ; 1,2,3,4-Tetrahydroisoquinoline-3-carboxylic acid .....	156
Tryptophane .....	157
Tyrosine .....	163

Valine .....	174
N-Methyl-Valine.....	180
Coupling Reagents	182
Protecting Group Reagents	186
Peptides	188
Resins, Linkers and Preloaded Resins	196
Amide MBHA Resins .....	196
Amide AM Resins.....	197
Linkers .....	198
Wang Resins .....	199
2-Cl-Trt-Resins .....	211
Services and Custom Synthesis.....	222
Abbreviations	224
General Terms of Business	226

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## **Preise/ Pricing:**

Nettopreise in Euro zuzüglich MwSt., freibleibend. Bisherige Preislisten verlieren ihre Gültigkeit, Preisänderungen behalten wir uns vor. Verpackung und Versand werden (einmalig pro Auftrag) je nach Aufwand gesondert berechnet.

Prices are given in Euro, other price lists are no longer valid. Packaging and shipping costs are charged additionally once per order

## **Transportkosten/ Transport cost:**

Germany: 25.-- EUR

EU: 60.-- EUR

Shipment to countries outside the EU please inquire.

## **Anwendung/ Application:**

Die in diesem Katalog aufgeführten Produkte sind nur für Laborzwecke bestimmt und nicht für die Humananwendung.

Products offered in this catalog are not intended for human use, but for laboratory use only.

## **Analytical & BSE/TSE Certificates:**

Unsere Produkte werden mit einem Analysen- & BSE / TSE Zertifikat ausgeliefert.

All our products are accompanied by an Analytical- & BSE/TSE Certificate.

# Amino Acids and Derivatives

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## Alanine

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### H-L-Ala-OH

L-Alanine

CAS No.: 56-41-7

MW: 89.1

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1030-0100	100 g	35.-- EUR
00-1030-0500	500 g	80.-- EUR
00-1030-1000	1000 g	120.-- EUR

---

### H-D-Ala-OH

D-Alanine

CAS No.: 338-69-2

MW: 89.1

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2030-0025	25 g	50.-- EUR
00-2030-0100	100 g	120.-- EUR

---

**Boc-L-Ala-OH**

Boc-L-alanine

CAS No.: 15761-38-3

MW: 189.2

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1030-0025	25 g	20.-- EUR
01-1030-0100	100 g	60.-- EUR
01-1030-0250	250 g	145.-- EUR

---

**Boc-D-Ala-OH**

Boc-D-alanine

CAS No.: 7764-95-6 MW: 189.2

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2030-0005	5 g	25.-- EUR
01-2030-0025	25 g	85.-- EUR

---

**Boc-L-Ala-ONSu**

Boc-L-alanyl-oxosuccinimide

CAS No.: 3392-05-0

MW: 286.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1031-0025	25 g	65.-- EUR
01-1031-0100	100 g	195.-- EUR

---

**Boc-D-Ala-ONSu**

Boc-D-alanyl-oxosuccinimide

CAS No.: 34404-33-6

MW: 286.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2031-0005	5 g	120.-- EUR
01-2031-0025	25 g	520.-- EUR

---

**Ddz-L-Ala-OH x CHA**

Ddz-L-alanine cyclohexylammonium salt

MW: 311.3 x 99.2

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1035-0001	1 g	40.-- EUR
02-1035-0005	5 g	100.-- EUR
02-1035-0025	25 g	240.-- EUR

---

**Ddz-D-Ala-OH x CHA**

Ddz-D-alanine cyclohexylammonium salt

MW: 311.3 x 99.2

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-2035-0001	1 g	80.-- EUR
02-2035-0005	5 g	160.-- EUR

---



**Fmoc-L-Ala-OH x H<sub>2</sub>O**

Fmoc-L-alanine monohydrate

CAS No.: 35661-39-3

MW: 301.4 x 18

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1030-0025	25 g	25.-- EUR
03-1030-0100	100 g	35.-- EUR
03-1030-0250	250 g	70.-- EUR
03-1030-0500	500 g	130.-- EUR

---

**Fmoc-D-Ala-OH x H<sub>2</sub>O**

Fmoc-D-alanine monohydrate

CAS No.: 79990-15-1

MW: 301.4 x 18

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2030-0005	5 g	45.-- EUR
03-2030-0025	25 g	100.-- EUR
03-2030-0100	100 g	280.-- EUR
03-2030-0250	250 g	400.-- EUR

---

**Fmoc-L-Ala-OPfp**

Fmoc-L-alanine pentafluorophenyl ester

CAS No.: 86060-86-8

MW: 477.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1032-0005	5 g	45.-- EUR
03-1032-0025	25 g	195.-- EUR

---

**H-L-Ala-NH<sub>2</sub> x HCl**

L-Alanine amide hydrochloride

CAS No.: 33208-99-0

MW: 88.15 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
07-1035-0001	1 g	35.-- EUR
07-1035-0005	5 g	85.-- EUR
07-1035-0025	25 g	350.-- EUR

---

**H-D-Ala-NH<sub>2</sub> x HCl**

D-Alanine amide hydrochloride

CAS No.: 71810-97-4

MW: 88.15 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
07-1035-0001	1 g	45.-- EUR
07-1035-0005	5 g	175.-- EUR

---

**H-L-Ala-OMe x HCl**

L-Alanine methyl ester hydrochloride

CAS No.: 2491-20-5

MW: 103.12 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1033-0025	25 g	60.-- EUR
08-1033-0100	100 g	150.-- EUR

---

**H-D-Ala-OMe x HCl**

D-Alanine methyl ester hydrochloride

CAS No.: 14316-06-4

MW: 103.12 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-2033-0005	5 g	80.-- EUR
08-2033-0025	25 g	320.-- EUR

---

**H-L-Ala-OtBu x HCl**

L-Alanine t.-butyl ester hydrochloride

CAS No.: 13404-22-3

MW: 145.25 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1033-0005	5 g	59.-- EUR
05-1033-0025	25 g	236.-- EUR

---

**H-D-Ala-OtBu x HCl**

D-Alanine t.-butyl ester hydrochloride

CAS No.: 59531-86-1

MW: 145.25 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-2033-0001	1 g	35.-- EUR
05-2033-0005	5 g	130.-- EUR

---

**Z-L-Ala-OH**N- $\alpha$ -Z-L-alanine

CAS No.: 1142-20-7

HPLC purity &gt; 99.0 %

MW: 223.2

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1030-0025	25 g	40.-- EUR
04-1030-0100	100 g	100.-- EUR

---

**Z-D-Ala-OH**

Z-D-alanine

CAS No.: 26607-51-2

HPLC purity &gt; 99.0 %

MW: 223.2

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-2030-0005	5 g	40.-- EUR
04-2030-0025	25 g	90.-- EUR
04-2030-0100	100 g	275.-- EUR

## ***$\beta$ -Alanine***

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### **H- $\beta$ -Ala-OH**

$\beta$ -Alanine

CAS No.: 107-95-9

MW: 89.1

Purity > 99.0 %

Ordering-No.:	Quantity	Price
00-0060-0100	100 g	35.-- EUR
00-0060-0500	500 g	80.-- EUR
00-0060-1000	1000 g	120.-- EUR

---

### **Boc- $\beta$ -Ala-OH**

Boc- $\beta$ -alanine

CAS No.: 3303-84-2

MW: 189.2

HPLC purity > 99.0 %

Ordering-No.:	Quantity	Price
01-0060-0025	25 g	40.-- EUR
01-0060-0100	100 g	95.-- EUR

---

**Boc-β-Ala-ONSu**

Boc-β-alanyl-oxosuccinimide

CAS No.: 32703-87-0      MW: 286.3

HPLC purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
01-0061-0005	5 g	35.-- EUR
01-0061-0025	25 g	140.-- EUR

---

**Ddz-β-Ala-OH**

Ddz-β-alanine

MW: 311.3

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1035-0001	1 g	40.-- EUR
02-1035-0005	5 g	100.-- EUR
02-1035-0025	25 g	240.-- EUR

---

**Fmoc-β-Ala-OH**

Fmoc-β-alanine

CAS No.: 35727-10-1      MW: 311.3

HPLC purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
03-0060-0005	5 g	30.--EUR
03-0060-0025	25 g	80.--EUR
03-0060-0100	100 g	280.--EUR
03-0060-0250	250 g	450.--EUR

---

### **H-β-Ala-OMe x HCl**

β-Alanine methyl ester hydrochloride

CAS No.: 3196-73-4

MW: 103.12 x 36.46

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
08-0066-0025	25 g	60.-- EUR
08-0066-0100	100 g	150.-- EUR

---

### **H-β-Ala-OtBu x HCl**

β-Alanine t.-butyl ester hydrochloride

CAS No.: 58620-93-2

MW: 145,24 x 36.46

Purity > 99.0 %

Ordering-No.:	Quantity	Price
05-0062-0005	5 g	50.-- EUR
05-0062-0025	25 g	220.-- EUR

---

### **Z-β-Ala-OH**

Z-β-alanine

CAS No.: 2304-94-2

MW: 223.2

HPLC purity > 99.0 %

Optical purity : n.a.

Ordering-No.:	Quantity	Price
04-0065-0025	25 g	60.--EUR
04-0065-0100	100 g	175.--EUR
04-0065-0250	250 g	400.--EUR

## ***Aminoisobutyric acid***

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### **H-Aib-OH**

2-Methyl-alanine, Aminoisobutyric acid

CAS No.: 62-57-7                      MW: 103.12

Purity > 99.0 %

Ordering-No.:	Quantity	Price
00-0065-0100	100 g	Please inquire
00-0065-0500	500 g	Please inquire

---

### **Boc-Aib-OH**

N<sup>α</sup>-Boc- $\alpha$ -aminoisobutyric acid

CAS No.: 30992-29-1                      MW: 203.2

HPLC purity > 99.0 %                      Optical purity : n.a.

Ordering-No.:	Quantity	Price
01-0065-0005	5 g	40.--EUR
01-0065-0025	25 g	120.--EUR

---

### **Fmoc-Aib-OH**

N<sup>α</sup>-Fmoc- $\alpha$ -aminoisobutyric acid

CAS No.: 94744-50-0                      MW: 325.4

HPLC purity > 99.0 %                      Optical purity : n.a.

Ordering-No.:	Quantity	Price
03-0065-0005	5 g	45.--EUR
03-0065-0025	25 g	130.--EUR
03-0065-0100	100 g	320.--EUR

---



**H-Aib-OMe x HCl**

Aminoisobutyric acid methyl ester hydrochloride

CAS No.: 13404-22-3

MW: 117.12 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-0065-0005	5 g	150.-- EUR
08-0065-0025	25 g	320.-- EUR

---

## ***GABA, gamma-Aminobutyric acid***

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### **H-GABA-OH**

4-Amino-n-butyric acid

CAS No.: 56-12-2

MW: 103.12

Purity > 99.0 %

Ordering-No.:	Quantity	Price
00-0070-0100	100 g	Please inquire
00-0070-0500	500 g	Please inquire

---

### **Boc-GABA-OH**

N<sup>γ</sup>-Boc-aminobutyric acid

CAS No.: 57294-38-9

MW: 203.24

HPLC purity > 98.0 %

Ordering-No.:	Quantity	Price
01-0070-0005	5 g	50.--EUR
01-0070-0025	25 g	200.--EUR

---

### **Ddz-GABA-OH x CHA**

N<sup>γ</sup>-Ddz-aminobutyric acid x CHA

MW: 325.35 x 99.2

HPLC purity > 98.0 %

Ordering-No.:	Quantity	Price
02-0070-0001	1 g	80.--EUR
02-0070-0005	5 g	270.--EUR

---

**Fmoc-GABA-OH**N<sup>γ</sup>-Fmoc-aminobutyric acid

CAS No.: 116821-47-7      MW: 325.35

HPLC purity &gt; 98.0 %

Ordering-No.:	Quantity	Price
03-0070-0005	5 g	50.--EUR
03-0070-0025	25 g	200.--EUR

---

**H-GABA-OMe x HCl**N<sup>γ</sup>-Aminobutyric acid methyl ester hydrochloride

CAS No.: 13031-60-2      MW: 117.12 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-0072-0005	5 g	50.-- EUR
08-0072-0025	25 g	135.-- EUR

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## Arginine

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### H-L-Arg-OH x HCl

L-Arginine hydrochloride

CAS No.: 1119-34-2

MW: 174,2 x 36,46

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1090-0100	100 g	35.-- EUR
00-1090-0500	500 g	80.-- EUR
00-1090-1000	1000 g	120.-- EUR

---

### Boc-L-Arg-OH x HCl x H<sub>2</sub>O

N<sup>α</sup>-Boc-L-arginine hydrochloride hydrate

CAS No.: 35897-34-8

MW: 273.83 x 36,46 x 18

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1090-0025	25 g	50.-- EUR
01-1090-0100	100 g	120.-- EUR

---

### Boc-L-Arg(NO<sub>2</sub>)-OH

N<sup>α</sup>-Boc-N<sup>G</sup>-nitro-L-arginine

CAS No.: 2188-18-3

MW: 319.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1096-0025	25 g	55.-- EUR
01-1096-0100	100 g	150.-- EUR
01-1096-0250	250 g	300.-- EUR

---

**Boc-D-Arg(Tos)-OH x EtOAc**N<sup>α</sup>-Boc-N<sup>G</sup>-tosyl-L-arginine

CAS No.: 13836-37-8

MW: 428.5

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2097-0005	5 g	90.-- EUR
01-2097-0025	25 g	325.-- EUR

---

**Boc-L-Arg(Tos)-OH x EtOAc**N<sup>α</sup>-Boc-N<sup>G</sup>-tosyl-L-arginine

CAS No.: 13836-37-8

MW: 428.5

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1097-0005	5 g	40.-- EUR
01-1097-0025	25 g	75.-- EUR
01-1097-0100	100 g	230.-- EUR

---

**Ddz-L-Arg(Pbf)-OH x CHA**N<sup>α</sup>-Ddz-N<sup>G</sup>-(2,2,4,6,7-pentamethyldihydrobenzo-furan-5-sulfonyl)-L-arginine cyclohexylammonium salt

CAS No.: N.a.

MW: 648.8 x 99.2

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1093-0001	1 g	80.-- EUR
02-1093-0005	5 g	270.-- EUR

---

**Fmoc-L-Arg(Pbf)-OH**

N<sup>α</sup>-Fmoc-N<sup>G</sup>-(2,2,4,6,7-pentamethyldihydrobenzo-furan-5-sulfonyl)-L-arginine

CAS No.: 154445-77-9

MW: 648.8

HPLC purity > 98.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
03-1092-0005	5 g	50.-- EUR
03-1092-0025	25 g	150.-- EUR
03-1092-0100	100 g	360.-- EUR
03-1092-0250	250 g	700.-- EUR

---

**Fmoc-L-Arg(Pbf)-OPfp**

N<sup>α</sup>-Fmoc-N<sup>G</sup>-(2,2,4,6,7-pentamethyldihydrobenzo-furan-5-sulfonyl)-L-arginine pentafluorophenyl ester

CAS No.: 200132-16-7

MW: 814.8

HPLC purity > 90.0 %

Optical purity > 99,5 %

Ordering-No.:	Quantity	Price
03-1093-0005	1 g	110.--EUR
03-1093-0025	5 g	330.--EUR

---

**Fmoc-D-Arg(Pbf)-OH**

N<sup>α</sup>-Fmoc-N<sup>G</sup>-(2,2,4,6,7-pentamethyldihydrobenzo-furan-5-sulfonyl)-D-arginine

CAS No.: 187618-60-6

MW: 648.8

HPLC purity > 98.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
03-2092-0005	5 g	100.-- EUR
03-2092-0025	25 g	400.-- EUR

### **H-L-Arg-pNA x 2 HCl**

L-Arginine *p*-nitro-anilide dihydrochloride

CAS No.: 40127-11-5

MW: 330.75 x 72.92

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
07-1091-0001	1 g	90.-- EUR
07-1091-0005	5 g	350.-- EUR
07-1091-0025	25 g	1400.-- EUR

---

### **H-L-Arg(NO<sub>2</sub>)-OBzl x 2 pTos**

L-Arginine ω-nitro α-benzyl ester di-*p*-tosylate

Purity > 98.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
07-1096-0001	1 g	90.-- EUR
07-1096-0005	5 g	150.-- EUR
07-1096-0025	25 g	450.-- EUR

---

### **Z-L-Arg-OH**

N<sup>α</sup>-Z-L-arginine

CAS No.: 1234-35-1

MW: 308.34

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
04-1090-0100	100 g	70.-- EUR
04-1090-1000	1000 g	375.-- EUR

---

**Z-L-Arg(Mtr)-OH x CHA**

N<sup>α</sup>-Z-N<sup>G</sup>-(4-methoxy-2,3,6-trimethylphenyl-sulfonyl)-L-arginine cyclohexylammonium salt

CAS No.: 80745-09-1      MW: 520.6 x 99.2

HPLC purity > 98.0 %      Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
04-1091-0005	5 g	70.-- EUR
04-1091-0025	25 g	280.-- EUR

---

**Z-L-Arg(NO<sub>2</sub>)-OH**

N<sup>α</sup>-Z-N<sup>G</sup>-nitro-L-arginine

CAS No.: 2304-98-5      MW: 353.34

HPLC purity > 98.0 %      Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
04-1096-0025	25 g	50.-- EUR
04-1096-0100	100 g	120.-- EUR

---

**Z-L-Arg(Pbf)-OH x CHA**

N<sup>α</sup>-Z-N<sup>G</sup>-(2,2,4,6,7-pentamethyldihydrobenzo-furan-5-sulfonyl)-L-arginine cyclohexylammonium salt

CAS No.: 200190-89-2      MW: 560.67 x 99.2

HPLC purity > 98.0 %      Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
04-1092-0005	5 g	150.-- EUR
04-1092-0025	25 g	320.-- EUR

---



**Z-D-Arg-OH**N<sup>α</sup>-Z-D-arginine

CAS No.: 6382-93-0

MW: 308.34

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-2090-0005	5 g	75.-- EUR
04-2090-0025	25 g	275.-- EUR

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## **Asparagine**

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### **H-L-Asn-OH x H<sub>2</sub>O**

L-Asparagine hydrate

CAS No.: 5794-13-8

Purity > 99.0 %

MW: 132.1 x 18

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1120-0100	100 g	35.-- EUR
00-1120-0500	500 g	80.-- EUR
00-1120-1000	1000 g	120.-- EUR

---

### **H-D-Asn-OH x H<sub>2</sub>O**

D-Asparagine hydrate

CAS No.: 5794-24-1

Purity > 99.0 %

MW: 132.1 x 18

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2120-0100	25 g	50.-- EUR
00-2120-0500	100 g	100.-- EUR

---

### **Boc-L-Asn-OH**

N<sup>α</sup>-Boc-L-asparagine

CAS No.: 7536-55-2

HPLC purity > 99.0 %

MW: 232.2

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1120-0025	25 g	35.-- EUR
01-1120-0100	100 g	100.-- EUR

---

**Boc-L-Asn(Xan)-OH**N<sup>α</sup>-Boc-N<sup>β</sup>-xanthyl-L-asparagine

CAS No.: 65420-40-8      MW: 412.4

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1124-0005	5 g	35.-- EUR
01-1124-0025	25 g	105.-- EUR
01-1124-0100	100 g	325.-- EUR

---

**Ddz-L-Asn-OH**N<sup>α</sup>-Ddz-L-asparagine

CAS No.: n.a.      MW: 354.3

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1035-0001	1 g	40.-- EUR
02-1035-0005	5 g	100.-- EUR
02-1035-0025	25 g	240.-- EUR

---

**Fmoc-L-Asn-OH**N<sup>α</sup>-Fmoc-L-asparagine

CAS No.: 71989-16-7      MW: 354.4

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1120-0025	25 g	25.-- EUR
03-1120-0100	100 g	100.-- EUR
03-1120-0500	500 g	400.-- EUR

---

**Fmoc-L-Asn(Trt)-OH**N<sup>α</sup>-Fmoc-N<sup>β</sup>-trityl-L-asparagine

CAS No.: 132388-59-1

MW: 596.7

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1122-0025	25 g	45.-- EUR
03-1122-0100	100 g	100.-- EUR
03-1122-0250	250 g	200.-- EUR
03-1122-0500	500 g	380.-- EUR

---

**Fmoc-D-Asn(Trt)-OH**N<sup>α</sup>-Fmoc-N<sup>β</sup>-trityl-D-asparagine

CAS No.: 180570-71-2

MW: 596.7

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2122-0005	5 g	80.-- EUR
03-2122-0025	25 g	320.-- EUR

---

**Z-L-Asn-OH**N<sup>α</sup>-Z-L-asparagine

CAS No.: 2304-96-3

MW: 266.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1120-0025	25 g	45.-- EUR
04-1120-0100	100 g	75.-- EUR

---

## **Aspartic Acid**

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### **H-L-Asp-OH**

L-Aspartic acid

CAS No.: 56-84-8

Purity > 99.0 %

MW: 133.1

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1150-0100	100 g	35.-- EUR
00-1150-0500	500 g	80.-- EUR
00-1150-1000	1000 g	120.-- EUR

---

### **H-D-Asp-OH**

D-Aspartic acid

CAS No.: 1783-96-6

Purity > 99.0 %

MW: 133.1

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2150-0025	25 g	55.-- EUR
00-2150-0100	100 g	130.-- EUR

---

### **H-D/L-Asp-OH**

D/L-Aspartic acid

CAS No.: n.a.

Purity > 99.0 %

MW: 133.1

Ordering-No.:	Quantity	Price
00-0050-0025	25 g	65.-- EUR
00-0050-0100	100 g	160.-- EUR

---

### **Boc-L-Asp-OH**

N<sup>α</sup>-Boc-L-aspartic acid

CAS No.: 13726-67-5

HPLC purity > 99.0 %

MW: 233.2

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1150-0025	25 g	50.-- EUR
01-1150-0100	100 g	110.-- EUR

---

### **Boc-L-Asp(OtBu)-OH**

N<sup>α</sup>-Boc-L-aspartic acid β-t.-butyl ester

CAS No.: 1676-90-0

HPLC purity > 99.0 %

MW: 289.4

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1152-0025	25 g	200.-- EUR
01-1152-0100	100 g	600.-- EUR

---

### **Boc-L-Asp(OtBu)-OH x DCHA**

N<sup>α</sup>-Boc-L-aspartic acid β-t.-butyl ester dicyclohexylammonium salt

CAS No.: 1913-12-8

HPLC purity > 99.0 %

MW: 289.4 x 181.3

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1153-0005	5 g	55.-- EUR
01-1153-0025	25 g	155.-- EUR
01-1153-0100	100 g	445.-- EUR

---

**Boc-D-Asp(OtBu)-OH x DCHA**

N<sup>α</sup>-Boc-D-aspartic acid β-tert.butyl ester dicyclohexylammonium salt

CAS No.: 200334-95-8

MW: 289.4 x 181.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-2153-0001	1 g	45.-- EUR
01-2153-0005	5 g	185.-- EUR
01-2153-0025	25 g	750.-- EUR

---

**Boc-L-Asp(OBzl)-OH**

N<sup>α</sup>-Boc-L-aspartic acid β-benzyl ester

CAS No.: 7536-58-5

MW: 323.4

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1156-0025	25 g	48.-- EUR
01-1156-0100	100 g	145.-- EUR

---

**Boc-L-Asp(OBzl)-ONSu**

N<sup>α</sup>-Boc-L-aspartoxy-N-succinimide (β-benzyl ester)

CAS No.: 13798-75-9

MW: 420.4

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1157-0005	5 g	45.-- EUR
01-1157-0025	25 g	125.-- EUR
01-1157-0100	100 g	350.-- EUR

---

**Boc-L-Asp(OcHx)-OH**N<sup>α</sup>-Boc-L-aspartic acid (β-cyclohexyl ester)

CAS No.: 73821-95-1

MW: 315.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1160-0025	25 g	85.-- EUR
01-1160-0100	100 g	250.-- EUR

---

**Boc-L-Asp(OcHx)-ONSu**N<sup>α</sup>-Boc-L-aspartoxy-N-succinimide (β-cyclohexyl ester)

CAS No.: 118534-86-4

MW: 412.2

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1163-0025	25 g	220.-- EUR
01-1163-0100	100 g	660.-- EUR

---

**Boc-L-Asp-OtBu**N<sup>α</sup>-Boc-L-aspartic acid α-tert.butyl ester

CAS No.: 34582-32-6

MW: 289.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1154-0005	5 g	160.-- EUR
01-1154-0025	25 g	640.-- EUR

---



**Boc-L-Asp-NH<sub>2</sub>**N<sup>α</sup>-Boc-L-aspartamide

CAS No.: 74244-17-0

HPLC purity &gt; 99.0 %

MW: 232.2

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1158-0001	1 g	55.-- EUR
01-1158-0005	5 g	230.-- EUR

---

**Ddz-L-Asp(OtBu)-OH x CHA+**N<sup>α</sup>-Ddz-L-aspartic acid β-tert.butyl ester cyclohexylammonium salt

CAS No.: n.a.

HPLC purity &gt; 98.0 %

MW: 411.4 x 99.2

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1155-0001	1 g	80.-- EUR
02-1155-0005	5 g	270.-- EUR

---

**Fmoc-L-Asp(OtBu)-OH**N<sup>α</sup>-Fmoc-L-aspartic acid β-tert.butyl ester

CAS No.: 71989-14-5

HPLC purity &gt; 99.0 %

MW: 411.5

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1152-0025	25 g	50.-- EUR
03-1152-0100	100 g	100.-- EUR
03-1152-0250	250 g	210.-- EUR
03-1152-0500	500 g	360.-- EUR

---

**Fmoc-D-Asp(OtBu)-OH**N- $\alpha$ -Fmoc-D-aspartic acid  $\beta$ -t.-butyl ester

CAS No.: 112883-39-3      MW: 411.5

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2152-0001	1 g	25.-- EUR
03-2152-0005	5 g	55.-- EUR
03-2152-0025	25 g	250.-- EUR

---

**Fmoc-L-Asp-OtBu**N- $\alpha$ -Fmoc-L-aspartic acid  $\alpha$ -t.-butyl ester

CAS No.: 129460-09-9      MW: 411.5

HPLC purity &gt; 98.0 %      Optical purity &gt; 99 %

Ordering-No.:	Quantity	Price
03-1154-0005	5 g	75.-- EUR
03-1154-0025	25 g	350.-- EUR

---

**Fmoc-D-Asp-OtBu**N- $\alpha$ -Fmoc-D-aspartic acid  $\alpha$ -t.-butyl ester

CAS No.: 134098-70-7      MW: 411.5

HPLC purity &gt; 98.0 %      Optical purity &gt; 99 %

Ordering-No.:	Quantity	Price
03-2154-0005	5 g	350.-- EUR
03-2154-0025	25 g	850.-- EUR

---

**Fmoc-L-Asp(OBzl)-OH**N- $\alpha$ -Fmoc-L-aspartic acid  $\beta$ -benzyl ester

CAS No.: 86060-84-6 MW: 445.5

HPLC purity &gt; 99.0 % Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1156-0005	5 g	75.-- EUR
03-1156-0025	25 g	300.-- EUR

---

**Fmoc-L-Asp-NH<sub>2</sub>**N- $\alpha$ -Fmoc-L-aspartamide

CAS No.: 200335-40-6 MW: 354.4

HPLC purity &gt; 98.0 % Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1158-0001	1 g	60.-- EUR
03-1158-0005	5 g	225.-- EUR

---

**Fmoc-D-Asp-NH<sub>2</sub>**N- $\alpha$ -Fmoc-D-aspartamide

CAS No.: 200335-41-7 MW: 354.4

HPLC purity &gt; 99.0 % Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2158-0001	1 g	185.-- EUR
03-2158-0005	5 g	750.-- EUR

---

### **H-L-Asp(OBzl)-OH**

L-Aspartic acid  $\beta$ -benzyl ester

CAS No.: 2177-63-1

MW: 223.2

Purity > 99.0 %

Optical purity > 99.5 %

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Ordering-No.:	Quantity	Price
06-1156-0005	5 g	30.—EUR
06-1156-0025	25 g	110.—EUR
06-1156-0100	100 g	220.-- EUR

---

### **H-L-Asp(OBzl)-OBzl x Tos**

L-Aspartic acid  $\alpha,\beta$ -dibenzyl ester tosylate

CAS No.: 2886-33-1

MW: 313.4 x 172.2

Purity > 99.0 %

Optical purity > 99.5 %

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Ordering-No.:	Quantity	Price
06-1158-0025	25 g	35.-- EUR
06-1158-0100	100 g	105.-- EUR

---

### **H-L-Asp-OMe**

L-Aspartic acid  $\alpha$ -methyl ester

CAS No.: 17812-32-7

MW: 147.1

Purity > 99.0 %

Optical purity > 99.5 %

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Ordering-No.:	Quantity	Price
08-1151-0001	1 g	40.-- EUR
08-1151-0005	5 g	165.-- EUR
08-1151-0025	25 g	750.-- EUR

---

**H-L-Asp(OMe)-OMe x HCl**L-Aspartic acid  $\alpha,\beta$ -dimethyl ester hydrochloride

CAS No.: 32213-95-9

MW: 161.16

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1155-0005	5 g	75.-- EUR
08-1155-0025	25 g	275.-- EUR

---

**H-L-Asp-NH<sub>2</sub>**

L-Aspartamide

CAS No.: 28057-52-5

MW: 132.1

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
07-1160-0001	1 g	225.-- EUR
07-1160-0005	5 g	980.-- EUR

---

**H-L-Asp(OtBu)-OH x H<sub>2</sub>O**L-Aspartic acid  $\beta$ -t.-butyl ester hydrate

CAS No.: 3057-74-7

MW: 189.2 x 18

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1152-0005	5 g	125.-- EUR
05-1152-0025	25 g	375.-- EUR

---

### **H-D-Asp(OtBu)-OH x H<sub>2</sub>O**

D-Aspartic acid  $\beta$ -t.butyl ester hydrate

CAS No.: 64960-75-4

MW: 189.2 x 18

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
05-2152-0005	5 g	245.-- EUR
05-2152-0025	25 g	775.-- EUR

---

### **H-L-Asp-OtBu**

L-Aspartic acid  $\alpha$ -t.butyl ester

CAS No.: 4125-93-3

MW: 189.2

Purity > 99.0 %

Optical purity > 99 %

Ordering-No.:	Quantity	Price
05-1154-0001	1 g	70.-- EUR
05-1154-0005	5 g	280.-- EUR
05-1154-0025	25 g	1100.-- EUR

---

### **H-L-Asp(OtBu)-OtBu x HCl**

L-Aspartic acid  $\alpha,\beta$ -di-t.butyl ester hydrochloride

CAS No.: 1791-13-5

MW: 245.35 x 36.46

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
05-1158-0005	5 g	100.-- EUR
05-1158-0025	25 g	350.-- EUR

---

### **Z-L-Asp-OH**

N<sup>α</sup>-Z-L-aspartic acid

CAS No.: 1152-61-0

HPLC purity > 99.0 %

MW: 267.2

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
04-1150-0025	25 g	40.-- EUR
04-1150-0100	100 g	85.-- EUR

---

### **Z-D-Asp-OH**

N<sup>α</sup>-Z-D-aspartic acid

CAS No.: 78663-07-7

HPLC purity > 99.0 %

MW: 267.2

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
04-2150-0005	5 g	35.-- EUR
04-2150-0025	25 g	85.-- EUR

---

### **Z-L-Asp(OtBu)-OH x H<sub>2</sub>O**

N<sup>α</sup>-Z-L-aspartic acid β-t.butyl ester hydrate

CAS No.: 5545-52-8

HPLC purity > 99.0 %

MW: 323.3 x 18

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
04-1152-0005	5 g	70.-- EUR
04-1152-0025	25 g	275.-- EUR

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**Z-D-Asp(OtBu)-OH x H<sub>2</sub>O**N<sup>α</sup>-Z -D-aspartic acid β-t.butyl ester hydrate

CAS No.: 71449-08-6

MW: 323.3 x 18

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-2152-0001	1 g	65.-- EUR
04-2152-0005	5 g	225.-- EUR

---

**Z-L-Asp(OtBu)-OH x DCHA**N<sup>α</sup>-Z-L-aspartic acid β-t-butyl ester dicyclohexylammonium salt

CAS No.: 5545-52-8 (net)

MW: 323.3 x 181.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1155-0005	5 g	60.-- EUR
04-1155-0025	25 g	250.-- EUR

---

**Z-L-Asp(OtBu)-OSu**N<sup>α</sup>-Z -L-aspartyl(oxy)-N-succinimide-β-t.butyl ester

CAS No.: 3338-32-7

MW: 420.42

HPLC purity ≥ 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1159-0001	1 g	40.-- EUR
04-1159-0005	5 g	90.-- EUR
04-1159-0025	25 g	300.-- EUR

---



### **Z-L-Asp-OtBu x DCHA**

N<sup>α</sup>-Z -L-aspartic acid α-t.butyl ester  
dicyclohexylammonium salt

CAS No.: 23632-70-4

MW: 323.3 x 181.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
04-1154-0001	1 g	45.-- EUR
04-1154-0005	5 g	160.-- EUR

---

### **Z-L-Asp-OBzl**

N<sup>α</sup>-Z -L-aspartic acid α-benzyl ester

CAS No.: 4779-31-1

MW: 357.4

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
04-1158-0005	5 g	80.-- EUR
04-1158-0025	25 g	170.-- EUR

---

### **Z-L-Asp(OBzl)-OH**

N<sup>α</sup>-Z-L-aspartic acid β-benzyl ester

CAS No.: 3479-47-8

MW: 357.4

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
04-1156-0005	5 g	80.-- EUR
04-1156-0025	25 g	250.-- EUR

---

**Z-L-Asp(OtBu)-OMe**N<sup>α</sup>-Z -L-aspartic acid α-methyl β-t.butyl ester

CAS No.: n.a.

MW: 337.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1151-0005	5 g	85.-- EUR
04-1151-0025	25 g	375.-- EUR

---

**Z-L-Asp-OMe**N<sup>α</sup>-Z-L-aspartic acid α-methyl ester

CAS No.: 4668-42-2

MW: 281.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1153-0001	1 g	65.-- EUR
04-1153-0005	5 g	250.-- EUR

---

**Z-L-Asp(OMe)**N<sup>α</sup>-Z -L-aspartic acid β-methyl ester

CAS No.: 3160-47-2

MW: 281.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1160-0001	5 g	105.-- EUR
04-1160-0025	25 g	230.-- EUR

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## Cysteine

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### H-L-Cys-OH x HCl

L-Cysteine hydrochloride

CAS No.: 52-89-1

MW: 121.25 x 36.46

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1181-0100	100 g	35.-- EUR
00-1181-0500	500 g	80.—EUR
00-1181-1000	1000 g	120.-- EUR

---

### H-D-Cys-OH x HCl

D-Cysteine hydrochloride

CAS No.: n.a.

MW: 121.25 x 36.46

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2181-0100	25 g	50.—EUR
00-2181-0500	100 g	150.—EUR

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### Boc-L-Cys(Acm)-OH

N<sup>α</sup>-Boc-S-acetamidomethyl-L-cysteine

CAS No.: 19746-37-3

MW: 292.4

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1182-0005	5 g	32.—EUR
01-1182-0025	25 g	90.—EUR
01-1182-0100	100 g	260.—EUR

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**Boc-L-Cys(4-MeBzl)-OH**N<sup>α</sup>-Boc-S-p-methylbenzyl-L-cysteine

CAS No.: 61925-77-7      MW: 325.4

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1198-0025	25 g	65.—EUR
01-1198-0100	100 g	150.—EUR

---

**Boc-L-Cys(4-MeOBzl)-OH**N<sup>α</sup>-Boc-S-p-methoxybenzyl-L-cysteine

CAS No.: 18942-46-6      MW: 341.4

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1199-0005	5 g	35.—EUR
01-1199-0025	25 g	90.—EUR
01-1199-0100	100 g	275.—EUR

---

**Boc-L-Cys(tBu)-OH**N<sup>α</sup>-Boc-S-t-butyl-L-cysteine

CAS No.: 56976-06-8      MW: 277.4

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1188-0005	5 g	50.—EUR
01-1188-0025	25 g	150.—EUR
01-1188-0100	100 g	450.—EUR

---

**Boc-L-Cys(Trt)-OH**N<sup>α</sup>-Boc-S-trityl-L-cysteine

CAS No.: 21947-98-8

MW: 463.6

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1192-0025	25 g	85.—EUR
01-1192-0100	100 g	265.—EUR

---

**Boc-L-Cys(Bzl)-OH**N<sup>α</sup>-Boc-S-benzyl-L-cysteine

CAS No.: 5068-28-0

MW: 311.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1197-0025	25 g	65.—EUR
01-1197-0100	100 g	150.—EUR

---

**Ddz-L-Cys(StBu)-OH x DCHA**N<sup>α</sup>-Ddz-S-(tert.butylthio)-L-cysteine x DCHA

CAS No.: n.a.

MW: 431.6 x 181.3

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1189-0005	1 g	80.—EUR
02-1189-0025	5 g	270.—EUR

---

**Fmoc-L-Cys(StBu)-OH**N<sup>α</sup>-Fmoc-S-(tert.butylthio)-L-cysteine

CAS No.: 73724-43-3

MW: 431.6

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1189-0005	5 g	115.—EUR
03-1189-0025	25 g	450.—EUR

---

**Fmoc-L-Cys(Acm)-OH**N<sup>α</sup>-Fmoc-S-acetamidomethyl-L-cysteine

CAS No.: 86060-81-3

MW: 414.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1182-0005	5 g	45.—EUR
03-1182-0025	25 g	130.—EUR
03-1182-0100	100 g	350.—EUR
03-1182-0250	250 g	480,— EUR

---

**Fmoc-D-Cys(Acm)-OH**N<sup>α</sup>-Fmoc-S-acetamidomethyl-D-cysteine

CAS No.: 168300-88-7

MW: 414.5

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2182-0001	1 g	60.—EUR
03-2182-0005	5 g	225.—EUR

---

**Fmoc-L-Cys(tBu)-OH**N<sup>α</sup>-Fmoc-S-t.butyl-L-cysteine

CAS No. : 67436-13-9

MW : 399.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1188-0005	5 g	50.—EUR
03-1188-0025	25 g	150.—EUR
03-1188-0100	100 g	450.—EUR

---

**Fmoc-L-Cys(Trt)-OH**N<sup>α</sup>-Fmoc-S-trityl-L-cysteine

CAS No.: 103213-32-7

MW: 585.7

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1192-0025	25 g	45.-- EUR
03-1192-0100	100 g	90.-- EUR
03-1192-0250	250 g	180.-- EUR
03-1192-0500	500 g	320.-- EUR

---

**Fmoc-D-Cys(Trt)-OH**N<sup>α</sup>-Fmoc-S-trityl-D-cysteine

CAS No.: 167015-11-4

MW: 585.7

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2192-0005	5 g	85.—EUR
03-2192-0025	25 g	280.—EUR
03-2192-0100	100 g	550.—EUR

---

**H-L-Cys(Trt)-OH**

S-Tryl-L-cysteine

CAS No.: 2799-07-7

Purity &gt; 99.0 %

MW: 363.5

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
08-1192-0005	5 g	50.—EUR
08-1192-0025	25 g	120.—EUR

**H-L-Cys(tBu)-OH x HCl**

S-t. Butyl-L-cysteine hydrochloride

CAS No.: 2481-09-6

Purity &gt; 99.0 %

MW: 213.7

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
05-1188-0005	5 g	90.—EUR
05-1188-0025	25 g	330.—EUR

**Z-L-Cys(Bzl)-OH**N<sup>α</sup>-Z-S-benzyl-L-cysteine

CAS No.: 3257-18-9

HPLC purity &gt; 99.0 %

MW: 345.42

Optical purity &gt; 99.5 %

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Ordering-No.:	Quantity	Price
04-1197-0025	25 g	35.—EUR
04-1197-0100	100 g	130.—EUR

---



## **Glutamine**

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### **H-L-Gln-OH**

L-Glutamine

CAS No.: 56-85-9

MW: 146.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1210-0100	100 g	35.-- EUR
00-1210-0500	500 g	80.-- EUR
00-1210-1000	1000 g	120.-- EUR

---

### **H-D-Gln-OH**

D-Glutamine

CAS No.: 5959-95-5

MW: 146.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2210-0005	5 g	100.-- EUR
00-2210-0025	25 g	400.-- EUR

---

### **Boc-L-Gln-OH**

N<sup>α</sup>-Boc- L-glutamine

CAS No.: 13726-85-7

MW: 246.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1210-0025	25 g	40.-- EUR
01-1210-0100	100 g	100.-- EUR

---

**Boc-D-Gln-OH**N<sup>α</sup>-Boc- D-glutamine

CAS No.: 61348-28-5

HPLC purity &gt; 99.0 %

MW: 246.3

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2210-0005	5 g	75.-- EUR
01-2210-0025	25 g	300.-- EUR

---

**Boc-L-Gln(Xan)-OH**N<sup>α</sup>-Boc-γ-xanthyl-L-glutamine

CAS No.: 55260-24-7

HPLC purity &gt; 99.0 %

MW: 426.5

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1214-0005	5 g	50.-- EUR
01-1214-0025	25 g	140.-- EUR
01-1214-0100	100 g	425.-- EUR

---

**Ddz-L-Gln-OH**N<sup>α</sup>-Ddz-L-glutamine

MW: 368.3

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1210-0001	1 g	40.-- EUR
02-1210-0005	5 g	120.-- EUR
02-1210-0025	25 g	240.-- EUR

---

**Fmoc-L-Gln-OH**N<sup>α</sup>-Fmoc-L-glutamine

CAS No.: 71989-20-3

HPLC purity &gt; 99.0 %

MW: 368.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1210-0025	25 g	40.-- EUR
03-1210-0100	100 g	115.—EUR
03-1210-0250	250 g	220.—EUR
03-1210-0500	500 g	400.—EUR

---

**Fmoc-L-Gln(Trt)-OH**N<sup>α</sup>-Fmoc-γ-trityl-L-glutamine

CAS No.: 132327-80-1

HPLC purity &gt; 99.0 %

MW: 610.7

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1212-0025	25 g	45.—EUR
03-1212-0100	100 g	125.—EUR
03-1212-0250	250 g	250.—EUR
03-1212-0500	500 g	450.-- EUR

---

**Fmoc-D-Gln(Trt)-OH**N<sup>α</sup>-Fmoc-γ-trityl-D-glutamine

CAS No.: 200623-62-7

HPLC purity &gt; 99.0 %

MW: 610.7

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2212-0005	5 g	90.-- EUR
03-2212-0025	25 g	360.-- EUR

---

**H-L-Gln-OtBu x HCl**L-Glutamine- $\alpha$ -t.-butyl ester

CAS No.: 39741-62-3

MW: 202.35 x 36.46

Purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1244-0001	25 g	560.-- EUR
05-1244-0005	100 g	1450.-- EUR

---

**Z-L-Gln-OH**N <sup>$\alpha$</sup> -Z -L-glutamine

CAS No.: 2650-64-8

MW: 280.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1210-0025	25 g	40.-- EUR
04-1210-0100	100 g	100.-- EUR

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## **Glutamic acid**

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### **H-L-Glu-OH**

L-Glutamic acid

CAS No.: 56-86-0

Purity > 99.0 %

MW: 147.1

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1240-0100	100 g	35.-- EUR
00-1240-0500	500 g	80.-- EUR
00-1240-1000	1000 g	120.-- EUR

---

### **H-D-Glu-OH**

D-Glutamic acid

CAS No.: 6893-26-1

Purity > 99.0 %

MW: 147.1

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2240-0100	100 g	85.—EUR
00-2240-0500	500 g	140.—EUR

---

### **Boc-L-Glu-OH**

N<sup>α</sup>-Boc- L-glutamic acid

CAS No.: 2419-94-5

HPLC purity > 99.0 %

MW: 247.3

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1240-0025	25 g	75.—EUR
01-1240-0100	100 g	200.—EUR

---

**Boc-D-Glu-OH**N<sup>α</sup>-Boc-D-glutamic acid

CAS No.: 34404-28-9

MW: 247.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2240-0005	5 g	60.—EUR
01-2240-0025	25 g	240.—EUR

---

**Boc-L-Glu(OtBu)-OH**N<sup>α</sup>-Boc-L-glutamic acid  $\gamma$ -t.butyl ester

CAS No.: 13726-84-6

MW: 303.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1242-0005	5 g	25.—EUR
01-1242-0025	25 g	75.—EUR
01-1242-0100	100 g	150.—EUR
01-1242-1000	1000g	850.—EUR

---

**Boc-D-Glu(OtBu)-OH**N<sup>α</sup>-Boc-D-glutamic acid  $\gamma$ -t.-butyl ester

CAS No.: 104719-63-3

MW: 303.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2242-0005	5 g	60.—EUR
01-2242-0025	25 g	240.—EUR

---

**Boc-L-Glu-OtBu**N<sup>α</sup>-Boc-L-glutamic acid α-t.butyl ester

CAS No.: 24277-39-2      MW: 303.4

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1244-0005	5 g	115.—EUR
01-1244-0025	25 g	450.—EUR

---

**Boc-D-Glu-OtBu**N<sup>α</sup>-Boc-D-glutamic acid α-t.butyl ester

CAS No.: 73872-71-6      MW: 303.4

Purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2244-0001	1 g	75.—EUR
01-2244-0005	5 g	310.—EUR

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**Boc-L-Glu(OBzl)-OH**N<sup>α</sup>-Boc-L-glutamic acid γ-benzyl ester

CAS No.: 13574-13-5      MW: 337.4

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1246-0025	25 g	50.—EUR
01-1246-0100	100 g	150.—EUR

---

**Boc-L-Glu(OcHx)-OH**N<sup>α</sup>-Boc-L-glutamic acid  $\gamma$ -cyclohexyl ester

CAS No.: 73821-97-3

MW: 329.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1260-0025	25 g	90.—EUR
01-1260-0100	100 g	275.—EUR

---

**Boc-L-Glu-OMe**N<sup>α</sup>-Boc-L-glutamic acid  $\alpha$ -methyl ester

CAS No.: 72086-72-7

MW: 261.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1254-0005	5 g	105.—EUR
01-1254-0025	25 g	475.—EUR

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**Boc-L-Glu-NH<sub>2</sub>**N<sup>α</sup>-Boc-L-isoglutamine

CAS No.: 18800-74-3

MW: 246.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1248-0001	1 g	95.—EUR
01-1248-0005	5 g	325.—EUR

---



**Boc-D-Glu-NH<sub>2</sub>**N<sup>α</sup>-Boc-D-isoglutamine

CAS No.: 55297-72-8

MW: 246.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2248-0001	1 g	200.—EUR
01-2248-0005	5 g	750.—EUR

---

**Ddz-D-Glu(OtBu)-OH x CHA**N<sup>α</sup>-Ddz-D-glutamic acid  $\gamma$ -t.butyl ester x CHA

MW : 425.5 x 99.2

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-2242-0001	1 g	120.—EUR
02-2242-0005	5 g	350.—EUR

---

**Ddz-L-Glu(OtBu)-OH x CHA**N<sup>α</sup>-Ddz-L-glutamic acid  $\gamma$ -t.-butyl ester x CHA

MW : 425.5 x 99.2

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No. :	Quantity	Price
02-1242-0001	1 g	80.—EUR
02-1242-0005	5 g	270.—EUR

---

**Fmoc-L-Glu(OAll)-OH**N<sup>α</sup>-Fmoc-L-glutamic acid  $\gamma$ -allyl ester

CAS No. : 133464-46-7      MW : 409.4

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1248-0005	5 g	50.—EUR
03-1248-0025	25 g	200.—EUR

---

**Fmoc-D-Glu(OAll)-OH**N<sup>α</sup>-Fmoc-D-glutamic acid  $\gamma$ -allyl ester

CAS No.: 204251-33-2      MW: 409.4

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2248-0005	5 g	250.—EUR
03-2248-0025	25 g	1000.—EUR

---

**Fmoc-L-Glu-OAll**N<sup>α</sup>-Fmoc-L-glutamic acid  $\alpha$ -allyl ester

CAS No.: 144120-54-7      MW: 409.4

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1249-0001	1 g	40.—EUR
03-1249-0005	5 g	140.—EUR
03-1249-0025	25 g	560.—EUR

---

### **Fmoc-D-Glu-OAl**

N<sup>α</sup>-Fmoc-D-glutamic acid α-allyl ester

CAS No.: 204251-86-5      MW: 409.4

HPLC purity > 99.0 %      Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
03-2249-0005	5 g	275.—EUR
03-2249-0025	25 g	1000.—EUR

---

### **Fmoc-L-Glu(OtBu)-OH x H<sub>2</sub>O**

N<sup>α</sup>-Fmoc-L-glutamic acid γ-t.-butyl ester hydrate

CAS No.: 71989-18-9      MW: 425.5 x 18

HPLC purity > 99.0 %      Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
03-1242-0025	25 g	35.—EUR
03-1242-0100	100 g	90.—EUR
03-1242-0250	250 g	170.—EUR
03-1242-0500	500 g	320.—EUR

---

### **Fmoc-D-Glu(OtBu)-OH x H<sub>2</sub>O**

N<sup>α</sup>-Fmoc-D-glutamic acid γ-t.-butyl ester hydrate

CAS No. : 104091-08-9      MW : 425.5 x 18

HPLC purity > 99.0 %      Optical purity > 99.5 %

Bulk amounts available?      Yes

Ordering-No.:	Quantity	Price
03-2242-0005	5 g	40.—EUR
03-2242-0025	25 g	150.—EUR
03-2242-0100	100 g	300.—EUR
03-2242-1000	1000 g	850.—EUR

---

**Fmoc-L-Glu(NH-PEG-2000)-OH**N<sup>α</sup>-Fmoc-L-glutamic acid  $\gamma$ -amidopolyethylenglycol

CAS No.: n.a.

MW: 2351

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1242-000.5	500 mg	120.—EUR
03-1242-0001	1 g	180.—EUR
03-1242-0250	5 g	650.—EUR

---

**Fmoc-L-Glu-OtBu**N<sup>α</sup>-Fmoc-L-glutamic acid  $\alpha$ -t.butyl ester

CAS No.: 84793-07-7

MW: 425.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Bulk amounts available?

Yes

Ordering-No.:	Quantity	Price
03-1244-0001	1 g	65.—EUR
03-1244-0005	5 g	255.—EUR

---

**Fmoc-D-Glu-OtBu**N- $\alpha$ -Fmoc-D-glutamic acid  $\alpha$ -t.butyl ester

CAS No.: 109745-15-5

MW: 425.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2244-0005	1 g	125.—EUR
03-2244-0025	5 g	450.—EUR
03-2242-0100	25 g	900.—EUR

---

**Fmoc-L-Glu(OBzl)-OH**N<sup>α</sup>-Fmoc-L-glutamic acid  $\gamma$ -benzyl ester

CAS No. : 123639-61-2      MW : 459.5

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1246-0005	5 g	45.—EUR
03-1246-0025	25 g	125.—EUR

---

**H-L-Glu(OBzl)-OH**L-Glutamic acid  $\gamma$ -benzyl ester

CAS No.: 1676-73-9      MW: 237.3

Purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
06-1246-0005	5 g	45.—EUR
06-1246-0025	25 g	160.—EUR

---

**H-L-Glu(OBzl)-OBzl x Tos**L-Glutamic acid  $\alpha,\gamma$ -dibenzyl ester tosylate

CAS No.: 2791-84-6      MW: 327.34 x 172.2

Purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1249-0025	25 g	45.—EUR
05-1249-0100	100 g	145.—EUR

---

**H-L-Glu-NH<sub>2</sub> x HCl**

L-Isoglutamine

CAS No.: 108607-02-9

Purity &gt; 99.0 %

MW: 146.1 x 36.6

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
07-1241-0001	1 g	65.—EUR
07-1241-0005	5 g	220.—EUR

---

**H-D-Glu-NH<sub>2</sub>**

D-Isoglutamine

CAS No.: 19522-40-8

Purity &gt; 99.0 %

MW: 146.1

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
07-2241-0001	1 g	135.—EUR
07-2241-0005	5 g	595.—EUR

---

**H-L-Glu(OtBu)-OH x H<sub>2</sub>O**L-Glutamic acid  $\gamma$ -t.butyl ester hydrate

CAS No.: 2419-56-9

Purity &gt; 99.0 %

MW: 203.2 x 18

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1242-0001	1 g	50.—EUR
05-1242-0005	5 g	125.—EUR
05-1242-0025	25 g	500.—EUR

---

**H-D-Glu(OtBu)-OH x H<sub>2</sub>O**D-Glutamic acid  $\gamma$ -t.butyl ester hydrate

CAS No.: 45125-00-6

MW: 203.2 x 18

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-2242-0001	1 g	50.—EUR
05-2242-0005	5 g	220.—EUR

---

**H-L-Glu-OtBu**L-Glutamic acid  $\alpha$ -t.butyl ester

CAS No.: 45120-30-7

MW: 203.2

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1244-0001	1 g	60.—EUR
05-1244-0005	5 g	255.—EUR

---

**H-D-Glu-OtBu**D-Glutamic acid  $\alpha$ -t.butyl ester

CAS No.: 25456-76-2

MW: 203.2

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1244-0001	1 g	95.—EUR
05-1244-0005	5 g	435.—EUR

---

**H-L-Glu(OtBu)-OtBu x HCl**

L-Glutamic acid di-t.butyl ester hydrochloride

CAS No.: 32677-01-3

MW: 259.45 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1248-0005	5 g	100.—EUR
05-1248-0025	25 g	340.—EUR

---

**H-D-Glu(OtBu)-OtBu x HCl**

D-Glutamic acid di-t.butyl ester hydrochloride

CAS No.: 172793-31-6

MW: 259.45 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-2248-0001	1 g	50.—EUR
05-2248-0005	5 g	235.—EUR

---

**H-L-Glu(OtBu)-OMe x HCl**L-Glutamic acid  $\alpha$ -methyl- $\gamma$ -t.butyl ester ester hydrochloride

CAS No.: 6234-01-1

MW: 217.35 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1257-0001	1 g	90.—EUR
05-1257-0005	5 g	325.—EUR

---



**H-L-Glu(OtBu)-NH<sub>2</sub> x HCl**L-Isoglutamine  $\gamma$ -t.butyl ester hydrochloride

CAS No.: 108607-02-9

MW: 202.35 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
07-1242-0001	1 g	95.—EUR
07-1242-0005	5 g	385.—EUR

---

**H-L-Glu(OMe)-OtBu x HCl**L-Glutamic acid  $\alpha$ -t.butyl- $\gamma$ -methyl ester ester hydrochloride

CAS No.: N/A

MW: 217.35 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1249-0001	1 g	70.—EUR
05-1249-0005	5 g	275.—EUR

---

**Z-L-Glu-OH**N <sup>$\alpha$</sup> -Z-L-glutamic acid

CAS No.: 1155-62-0

MW: 281.27

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1240-0005	5 g	15.—EUR
04-1240-0025	25 g	30.—EUR
04-1240-0100	100 g	80.—EUR

---

**Z-L-Glu(OtBu)-OH**N<sup>α</sup>-Z -L-glutamic acid  $\gamma$ -t.butyl ester

CAS No. : 3886-08-6                      MW : 337.4

HPLC purity &gt; 99.0 %                      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1242-0005	5 g	65.—EUR
04-1242-0025	25 g	225.—EUR
04-1242-0100	100 g	650.—EUR

---

**Z-D-Glu(OtBu)-OH**N<sup>α</sup>-Z -D-glutamic acid  $\gamma$ -t.butyl ester

CAS No.: 51644-83-8                      MW: 337.4

HPLC purity &gt; 99.0 %                      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-2242-0001	1 g	35.—EUR
04-2242-0005	5 g	145.—EUR
04-2242-0025	25 g	625.—EUR

---

**Z-L-Glu-OtBu**N<sup>α</sup>-Z -L-glutamic acid  $\alpha$ -t.butyl ester

dicyclohexylammonium salt

CAS No.: 34897-61-5                      MW: 337.4 x 181.3

HPLC purity &gt; 99.0 %                      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1245-0005	5 g	100.—EUR
04-1245-0025	25 g	400.—EUR

---

### **Z-D-Glu-OtBu DCHA**

N<sup>α</sup>-Z -D-glutamic acid α-t.butyl ester  
dicyclohexylammonium salt

CAS No.: N/A

MW: 337.4 x 181.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
04-2245-0001	1 g	95.—EUR
04-2245-0005	5 g	400.—EUR

---

### **Z-L-Glu(OBzl)-OH**

N<sup>α</sup>-Z -L-glutamic acid γ-benzyl ester

CAS No.: 5680-86-4

MW: 371.4

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
04-1246-0005	5 g	70.—EUR
04-1246-0025	25 g	250.—EUR

---

### **Z-L-Glu-OMe**

N<sup>α</sup>-Z -L-glutamic acid α-methyl ester

CAS No.: 5672-83-3

MW: 295.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Bulk amounts available?

Yes

Ordering-No.:	Quantity	Price
04-1242-0001	1 g	65.—EUR
04-1242-0005	5 g	125.—EUR
04-1242-0025	25 g	450.—EUR

## ***Pyroglutamic acid***

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### **H-L-Pyr-OH**

L-Pyroglutamic acid

CAS No.: 98-79-3

Purity > 99.0 %

MW: 129.12

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1250-0100	100 g	35.-- EUR
00-1250-0500	500 g	110.-- EUR
00-1250-1000	1000 g	150.-- EUR

---

### **H-D-Pyr-OH**

D-Pyroglutamic acid

CAS No.: 4042-36-8

Purity > 99.0 %

MW: 129.12

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2240-0005	5 g	125.—EUR
00-2240-0025	25 g	500.—EUR

## **Glycine**

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### **H-Gly-OH**

Glycine

CAS No.: 56-40-6

MW: 75.07

purity > 99.0 %

Ordering-No.:	Quantity	Price
00-0270-0100	100 g	20.—EUR
00-0270-0500	500 g	40.—EUR
00-0270-1000	1000 g	60.—EUR

---

### **Ac-Gly-OH**

N- $\alpha$ -Acetyl-glycine

CAS No.: 543-24-8

MW: 117.1

HPLC purity > 99.0 %

Ordering-No.:	Quantity	Price
09-0270-0025	25 g	50.--EUR
09-0270-0100	100 g	100.--EUR
09-0270-0500	500 g	150.--EUR
09-0270-1000	1000 g	190.--EUR

---

**Boc-Gly-OH**

Boc-glycine

CAS No.: 4530-20-5

MW: 175.2

HPLC purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
01-0270-0025	25 g	25.—EUR
01-0270-0100	100 g	65.—EUR
01-0270-0500	500 g	150.—EUR

---

**Boc-Gly-ONSu**

Boc-glycinyloxy-N-succinimide

CAS No.: 3392-07-2

MW: 272.3

HPLC purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
01-0271-0005	5 g	51.—EUR
01-0271-0025	25 g	184.—EUR

---

**Ddz-Gly-OH x CHA**

Ddz-glycine x CHA

CAS No.: 4530-20-5

MW: 297.3 x 99.2

HPLC purity &gt; 98.0 %

Ordering-No.:	Quantity	Price
02-0275-0001	1 g	40.—EUR
02-0275-0005	5 g	100.—EUR
02-0275-0025	25 g	240.—EUR

---

**Fmoc-Gly-OH**

Fmoc-glycine

CAS No.: 29022-11-5

MW: 297.3

HPLC purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
03-0270-0025	25 g	25.--EUR
03-0270-0100	100 g	35.--EUR
03-0270-0250	250 g	95.--EUR
03-0270-0500	500 g	130.-- EUR

---

**H-Gly-OBzl x HCl**

Glycine benzyl ester hydrochloride

CAS No.: 1738-68-7

MW: 165.2 x 36.46

Purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
06-0275-0005	5 g	40.-- EUR
06-0275-0025	25 g	130.-- EUR
06-0275-0100	100 g	420.-- EUR

---

**H-Gly-OBzl x Tos**

Glycine benzyl ester tosylate

CAS No.: 1738-76-7

MW: 165.2 x 172.2

Purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
06-0276-0025	25 g	60.-- EUR
06-0276-0100	100 g	220.-- EUR

---

**Trt-Gly-OH**

Trityl-glycine

CAS No.: 5893-05-0

MW: 317.4

Purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
09-0270-0005	5 g	20.-- EUR
09-0270-0025	25 g	95.-- EUR
09-0270-0100	100 g	350.-- EUR

---

**H-Gly-OEt x HCl**

Glycine ethylester hydrochloride

CAS No.: 623-33-6

MW: 103.12 x 36.46

Purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
08-0276-0005	100 g	40.-- EUR
08-0276-0025	500 g	150.-- EUR
08-0276-1000	1000 g	220.-- EUR

---

**H-Gly-OtBu , free base ( distilled oil )**

Glycine t.butyl ester

CAS No.: n.a.

MW: 131.18

Purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
05-0271-0005	5 g	75.-- EUR
05-0271-0025	25 g	250.-- EUR
05-0271-0100	100 g	350.-- EUR

---



**H-Gly-OtBu x AcOH**

Glycine t.butylester acetate

CAS No.: n.a.

MW: 131.18 x 60.05

Purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
05-0272-0005	5 g	65.-- EUR
05-0272-0025	25 g	250.-- EUR

---

**H-Gly-OtBu x HCl**

Glycine t.butylester hydrochloride

CAS No.: 27532-96-3

MW: 131.18 x 36.46

Purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
05-0274-0005	5 g	80.-- EUR
05-0274-0025	25 g	300.-- EUR

---

**H-Gly-NH2 x HCl**

Glycine amide hydrochloride

CAS No.: 1668-10-6

MW: 74.08 x 36.46

Purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
07-0275-0100	100 g	85.-- EUR
07-0275-0500	500 g	250.-- EUR

---

**H-Gly-NH-Me x HCl**

Glycine methylamide hydrochloride

CAS No.: 49755-94-4

MW: 88.11 x 36.46

Purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
07-0278-0001	1 g	80.-- EUR
07-0278-0005	5 g	300.-- EUR

---

**Z-Gly-OH**

Z-glycine

CAS No.: 1138-80-3

MW: 209.2

HPLC Purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
04-0270-0025	25 g	35.-- EUR
04-0270-0100	100 g	75.-- EUR

## ***Histidine***

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### **H-L-His-OH , free base**

L-Histidine

CAS No.: 71-00-1

MW: 155.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1300-0100	100 g	45.-- EUR
00-1300-0500	500 g	80.-- EUR
00-1300-1000	1000 g	120.-- EUR

---

### **H-D-His-OH , free base**

L-Histidine

CAS No.: 351-50-8

MW: 155.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1300-0100	25 g	100.-- EUR
00-1300-0500	100 g	400.-- EUR

---

### **Boc-L-His-OH**

Boc-L-histidine

CAS No.: 17791-52-5

MW: 255.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1300-0005	5 g	45.-- EUR
01-1300-0025	25 g	110.-- EUR
01-1300-0100	100 g	335.-- EUR

---

**Boc-L-His(Tos)-OH x DCHA**

N<sup>α</sup>-Boc-N<sup>im</sup>-tosyl-L-histidine dicyclohexylammonium salt

CAS No.: 65057-34-3

MW: 409.5 x 181.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1305-0005	5 g	35.-- EUR
01-1305-0025	25 g	120.-- EUR
01-1305-0100	100 g	350.-- EUR

---

**Boc-L-His(Tos)-OH**

N<sup>α</sup>-Boc-N<sup>im</sup>-tosyl-L-histidine

CAS No.: 35899-43-5

MW: 409.5

HPLC purity > 98.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1307-0005	5 g	55.-- EUR
01-1307-0025	25 g	150.-- EUR
01-1307-0100	100 g	400.-- EUR

---

**Boc-L-His(Dnp)-OH x IPA**

N<sup>α</sup>-Boc-N<sup>im</sup>-dinitrophenyl-L-histidine x isopropanol

CAS No.: 25024-53-7

MW: 421.4 x 60.1

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1309-0005	5 g	45.-- EUR
01-1309-0025	25 g	140.-- EUR
01-1309-0100	100 g	420.-- EUR

---

**Fmoc-L-His(Trt)-OH**N<sup>α</sup>-Fmoc-N<sup>im</sup>-trityl-L-histidine

CAS No.: 109425-51-6      MW: 619.7

HPLC purity &gt; 98.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1302-0025	25 g	55.-- EUR
03-1302-0100	100 g	110.-- EUR
03-1302-0250	250 g	225.-- EUR

---

**Fmoc-D-His(Trt)-OH**N<sup>α</sup>-Fmoc-N<sup>im</sup>-trityl-D-histidine

CAS No.: 135610-90-1      MW: 619.7

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2302-0005	5 g	65.-- EUR
03-2302-0025	25 g	225.-- EUR
03-2302-0100	100 g	450.-- EUR

---

**Fmoc-L-His-OMe**N<sup>α</sup>-Fmoc-L-histidine methylester

CAS No.: n.a.      MW: 391.45

HPLC purity &gt; 98.0 %      Optical purity &gt; 99 %

Ordering-No.:	Quantity	Price
03-2302-0005	5 g	95.-- EUR
03-2302-0025	25 g	325.-- EUR

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## ***Hydroxyproline***

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### **H-L-Hyp-OH**

L-trans-4-Hydroxyproline

CAS No.: 51-35-4

MW: 131.1

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1330-0025	25 g	45.-- EUR
00-1330-0100	100 g	100.-- EUR

---

### **Boc-L-Hyp-OH**

Boc-L-trans-4-hydroxyproline

CAS No.: 13726-69-7

MW: 231.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1330-0005	5 g	60.-- EUR
01-1330-0025	25 g	250.-- EUR
01-1330-0100	100 g	520.-- EUR
01-1330-0025	1000 g	960.-- EUR

---

### **Boc-L-cis-Hyp-OH**

Boc-L-cis-4-hydroxyproline

CAS No.: 13726-69-7

MW: 231.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1340-0001	1 g	220.-- EUR
01-1340-0005	5 g	750.-- EUR

---

**Boc-L-Hyp-OMe**

Boc-L-trans-4-hydroxyproline methyl ester

CAS No.: 74844-91-0      MW: 245.3

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1331-0005	5 g	125.-- EUR
01-1331-0025	25 g	520.-- EUR
01-1331-0100	100 g	1600.-- EUR

---

**Fmoc-L-Hyp-OH**

Fmoc-L-trans-4-hydroxyproline

CAS No.: 88050-17-3      MW: 353.4

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1330-0005	5 g	65.-- EUR
03-1330-0025	25 g	240.-- EUR
03-1330-0100	100 g	360.-- EUR

---

**Fmoc-L-Hyp(tBu)-OH**

Fmoc-L-O-t.butyl-trans-4-hydroxyproline

CAS No.: 122996-47-8      MW: 409.46

HPLC purity &gt; 98.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1332-0001	1 g	50.-- EUR
03-1332-0005	5 g	150.-- EUR
03-1332-0025	25 g	600.-- EUR

---

**H-Hyp-OMe x HCl**

L-trans-4-Hydroxyproline methyl ester hydrochloride

CAS No.: 40216-83-9

MW: 181.7

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1330-0005	5 g	45.-- EUR
08-1330-0025	25 g	130.-- EUR

---

**Z-L-Hyp-OH**

Z-L-trans-4-hydroxyproline

CAS No.: 13504-85-3

MW: 265.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1330-0005	5 g	50.-- EUR
04-1330-0025	25 g	145.-- EUR
04-1330-0100	100 g	430.-- EUR

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## ***Isoleucine***

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### **H-L-Ile-OH**

L-Isoleucine

CAS No.: 73-32-5

MW: 131.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1360-0100	100 g	35.-- EUR
00-1360-0500	500 g	80.-- EUR
00-1360-1000	1000 g	120.-- EUR

---

### **Ac-L-Ile-OH**

N-Acetyl-L-isoleucine

CAS No.: 3077-46-1

MW: 173.21

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
09-1360-0025	25 g	35.-- EUR
09-1360-0100	100 g	80.-- EUR
09-1360-1000	1000 g	350.-- EUR

---

### **Boc-L-Ile-OH x 0.5 H<sub>2</sub>O**

Boc-L-isoleucine hemihydrate

CAS No.: 13139-16-7

MW: 231.32 x 9

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1360-0025	25 g	35.-- EUR
01-1360-0100	100 g	80.-- EUR

---

**Boc-L-Ile-ONSu**N<sup>α</sup>-Boc-L-isoleucinyloxy -N-succinimide

CAS No.: 3392-08-3

MW: 328.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1361-0005	5 g	65.-- EUR
01-1361-0025	25 g	180.-- EUR

---

**Ddz-L-Ile-OH x CHA**

Ddz-L-isoleucine x CHA

MW: 353.4 x 99.2

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1365-0001	1 g	40.-- EUR
02-1365-0005	5 g	120.-- EUR
02-1365-0025	25 g	240.-- EUR

---

**Fmoc-D-Ile-OH**

Fmoc-D-isoleucine

CAS No.: 143688-83-9

MW: 353.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2360-0001	1 g	250.-- EUR
03-2360-0005	5 g	975.-- EUR

---

**Fmoc-L-Ile-OH**

Fmoc-L-isoleucine

CAS No.: 71989-23-6

MW: 353.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1360-0025	25 g	25.-- EUR
03-1360-0100	100 g	40.-- EUR
03-1360-0250	250 g	95.-- EUR

---

**Fmoc-L-Ile-ONSu**N<sup>α</sup>-Fmoc-L-isoleucinyloxy-N-succinimide

CAS No.: n.a.

MW: 450.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1361-0005	5 g	55.-- EUR
03-1361-0025	25 g	230.-- EUR

---

**Fmoc-L-Ile-OPfp**

Fmoc-L-isoleucine pentafluorophenyl ester

CAS No.: 86060-89-1

MW: 519.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1362-0005	5 g	55.-- EUR
03-1362-0025	25 g	195.-- EUR

---

**H-L-Ile-OMe x HCl**

L-Isoleucine methyl ester hydrochloride

CAS No.: 18598-74-8

MW: 145.2 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1365-0005	5 g	40.-- EUR
08-1365-0025	25 g	100.-- EUR

---

**H-Ile-OBzl x pTos**

L-Isoleucine benzyl ester p-tosylate

CAS No.: 16652-75-8

MW: 221.3 x 172.2

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1366-0005	5 g	40.-- EUR
05-1366-0025	25 g	100.-- EUR

---

**H-Ile-OtBu x HCl**

L-Isoleucine t.butyl ester hydrochloride

CAS No.: 69320-89-4

MW: 187.36

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1362-0005	5 g	70.-- EUR
05-1362-0025	25 g	260.-- EUR

---

**Z-L-Ile-OH (oil)**

Z-L-isoleucine

CAS No.: 3160-59-6

MW: 265.3

HPLC purity &gt; 97.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1360-0025	25 g	50.-- EUR
04-1360-0100	100 g	100.-- EUR

---

**Z-L-Ile-ONSu**N<sup>α</sup>-Z-L-isoleucinyloxy-N-succinimide

CAS No.: 3391-99-9

MW: 362.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1361-0005	5 g	50.-- EUR
04-1361-0025	25 g	130.-- EUR

## **Leucine**

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### **H-L-Leu-OH**

L-Leucine

CAS No.: 61-90-5

MW: 131.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1390-0100	100 g	35.-- EUR
00-1390-0500	500 g	80.-- EUR
00-1390-1000	1000 g	120.-- EUR

---

### **H-D-Leu-OH**

D-Leucine

CAS No.: 328-38-1

MW: 131.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2390-0100	100 g	250.-- EUR
00-2390-0250	250 g	500.-- EUR
00-2390-1000	1000 g	750.-- EUR

---

### **Boc-L-Leu-OH x H<sub>2</sub>O**

Boc-L-leucine hydrate

CAS No.: 13139-15-6

MW: 231.3 x 18

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1390-0025	25 g	25.-- EUR
01-1390-0100	100 g	95.-- EUR

---

**Boc-D-Leu-OH x H<sub>2</sub>O**

Boc-D-leucine hydrate

CAS No.: 16937-99-8

HPLC purity &gt; 99.0 %

MW: 231.3 x 18

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2390-0005	5 g	45.-- EUR
01-2390-0025	25 g	95.-- EUR

---

**Boc-L-Leu-ONSu**N<sup>α</sup>-Boc-L-leucinyloxy-N-succinimide

CAS No.: 3392-09-4

HPLC purity &gt; 99.0 %

MW: 328.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1391-0005	5 g	40.-- EUR
01-1391-0025	25 g	100.-- EUR
01-1391-0100	100 g	275.-- EUR

---

**Ddz-L-Leu-OH x CHA**

Ddz-L-leucine x CHA

CAS No.: n.a.

HPLC purity &gt; 98.0 %

MW: 353.4 x 99.2

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1395-0001	1 g	40.-- EUR
02-1395-0005	5 g	120.-- EUR
02-1395-0025	25 g	240.-- EUR

---

**Fmoc-L-Leu-OH**

Fmoc-L-leucine

CAS No.: 35661-60-0

MW: 353.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1390-0025	25 g	25.-- EUR
03-1390-0100	100 g	40.-- EUR
03-1390-0250	250 g	95.-- EUR

---

**Fmoc-D-Leu-OH**

Fmoc-L-leucine

CAS No.: 114360-54-2

MW: 353.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2390-0005	5 g	50.-- EUR
03-2390-0025	25 g	200.-- EUR

---

**Fmoc-L-Leu-ONSu**N<sup>α</sup>-Fmoc-L-leucinyloxy-N-succinimide

CAS No.: n.a.

MW: 450.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1391-0005	5 g	60.-- EUR
03-1391-0025	25 g	190.-- EUR
03-1391-0100	100 g	575.-- EUR

---



**Fmoc-L-Leu-OPfp**

Fmoc-L-leucine pentafluorophenyl ester

CAS No.: 86060-88-0

MW: 519.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1392-0005	5 g	55.-- EUR
03-1392-0025	25 g	195.-- EUR

---

**Ac-L-Leu-OH**

N-Acetyl-L-leucine

CAS No.: 1188-21-2

MW: 173.2

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
09-1390-0005	5 g	40.-- EUR
09-1390-0025	25 g	90.-- EUR

---

**H-L-Leu-OMe x HCl**

L-Leucine methyl ester hydrochloride

CAS No.: 7517-19-3

MW: 145.2 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1395-0025	25 g	50.-- EUR
08-1395-0100	100 g	100.-- EUR

---

**H-D-Leu-OMe x HCl**

D-Leucine methyl ester hydrochloride

CAS No.: 5845-53-4

MW: 145.2 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-2395-0025	25 g	150.-- EUR
08-2395-0100	100 g	260.-- EUR

---

**H-L-Leu-OtBu x HCl**

L-Leucine t.butyl ester hydrochloride

CAS No.: 2748-02-9

MW: 187.35 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1392-0005	5 g	75.-- EUR
05-1392-0025	25 g	250.-- EUR

---

**H-D-Leu-OtBu x HCl**

D-Leucine t.butyl ester hydrochloride

CAS No.: 67617-35-0

MW: 187.35 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-2392-0001	1 g	55.-- EUR
05-2392-0005	5 g	160.-- EUR

---

**Z-L-Leu-OH (oil)**

Z-L-leucine

CAS No.: 2018-66-8

MW: 265.3

HPLC purity &gt; 97.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1390-0025	25 g	45.-- EUR
04-1390-0100	100 g	95.-- EUR

---

**Z-L-Leu-OH x DCHA**

Z-L-leucine dicyclohexylammonium salt

CAS No.: 53363-87-4

MW: 446.6

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1395-0025	25 g	45.-- EUR
04-1395-0100	100 g	95.-- EUR

---

**Z-D-Leu-OH (oil)**

Z-D-leucine

CAS No.: 28862-79-5

MW: 265.3

HPLC purity &gt; 97.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-2390-0005	5 g	65.-- EUR
04-2390-0025	25 g	180.-- EUR

---

**Z-L-Leu-ONSu**

N<sup>α</sup>-Z-L-Leucinyloxy-N- succinimide

CAS No.: 3397-35-1

MW: 362.4

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
04-1391-0005	5 g	45.-- EUR
04-1391-0025	25 g	120.-- EUR

## ***tert-Leucine***

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### **H-L-Tle-OH**

L-tert.-Leucine

CAS No.: 20859-02-3

MW: 131.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1396-0005	5 g	75.-- EUR
00-1396-0025	25 g	300.-- EUR

---

### **H-D-Tle-OH**

D-tert.-Leucine

CAS No.: 26782-71-8

MW: 131.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2396-0001	1 g	225.-- EUR
00-2396-0005	5 g	850.-- EUR

---

### **Boc-L-Tle-OH**

Boc-L-tert.-Leucine

CAS No.: 62965-35-9

MW: 231.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1396-0001	1 g	51.-- EUR
01-1396-0005	5 g	184.-- EUR

---

**Fmoc-L-Tle-OH**

Fmoc-L-tert.-Leucine

CAS No.: 132684-60-7

HPLC purity &gt; 99.0 %

MW: 353.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1396-0001	1 g	125.-- EUR
03-1396-0005	5 g	425.-- EUR

---

**Z-L-Tle-OH x DCHA**

Z-L-tert.-Leucine dicyclohexylammonium salt

CAS No.: 62965-37-1

HPLC purity &gt; 99.0 %

MW: 265.3 x 181.3

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1397-0005	5 g	90.-- EUR
04-1397-0025	25 g	370.-- EUR

## Lysine

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### H-D-Lys-OH x HCl

D-Lysine hydrochloride

CAS No.: 7274-88-6

MW: 146.2 x 36.46

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2420-0025	25 g	100.-- EUR
00-2420-0100	100 g	400.-- EUR

---

### H-L-Lys-OH x HCl

L-Lysine hydrochloride

CAS No.: 56-87-1

MW: 146.2 x 36.46

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1420-0100	100 g	20.-- EUR
00-1420-0500	500 g	40.-- EUR
00-1420-1000	1000 g	60.-- EUR

---

### Ac-L-Lys(Fmoc)-OH

N<sup>α</sup>-Acetyl-N<sup>ε</sup>-Fmoc -L-lysine

CAS No.: 148101-51-3

MW: 410.5

HPLC purity > 98.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
09-1428-0001	1 g	60.-- EUR
09-1428-0005	25 g	640.-- EUR
09-1428-0100	100 g	1500.-- EUR

---

**Boc-L-Lys-OH**N<sup>α</sup>-Boc-L-lysine

CAS No.: 13734-28-6

MW: 246.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1420-0005	5 g	60.-- EUR
01-1420-0025	25 g	200.-- EUR
01-1420-0100	100 g	600.-- EUR

---

**Boc-L-Lys(Boc)-OH (oil)**N<sup>α,ε</sup>-di-Boc-L-lysine

CAS No.: 2483-46-7

MW: 346.4

HPLC purity &gt; 97.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1421-0025	25 g	85.-- EUR
01-1421-0100	100 g	275.-- EUR

---

**Boc-L-Lys(Boc)-OH x DCHA**N<sup>α,ε</sup>-di-Boc-L-lysine dicyclohexylammonium salt

CAS No.: 15098-69-8

MW: 346.4 x 181.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1425-0025	25 g	60.-- EUR
01-1425-0100	100 g	155.-- EUR

---



**Boc-D-Lys(Boc)-OH x DCHA**N<sup>α,ε</sup>-di-Boc-D-lysine dicyclohexylammonium salt

CAS No.: 204190-67-0      MW: 346.4 x 181.3

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2425-0005	5 g	65.-- EUR
01-2425-0025	25 g	190.-- EUR
01-2425-0100	100 g	550.-- EUR

---

**Boc-L-Lys(2-Cl-Z)-OH**N<sup>α</sup>-Boc-N<sup>ε</sup>-2-chloro-Z-L-lysine

CAS No.: 54613-99-9      MW: 414.9

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1426-0005	5 g	50.-- EUR
01-1426-0025	25 g	125.-- EUR
01-1426-0100	100 g	360.-- EUR

---

**Boc-D-Lys(2-Cl-Z)-OH**N<sup>α</sup>-Boc-N<sup>ε</sup>-2-chloro-Z-D-lysine

CAS No.: 57096-11-4      MW: 414.9

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2426-0001	1 g	50.-- EUR
01-2426-0005	5 g	135.-- EUR
01-2426-0025	25 g	525.-- EUR

---

**Boc-L-Lys(2-Cl-Z)-ONSu**N<sup>α</sup>-Boc-N<sup>ε</sup>-2-chloro-Z-L-lysinyloxy-N-succinimide

CAS No.: 66438-39-9      MW: 512.0

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1427-0001	1 g	40.-- EUR
01-1427-0005	5 g	120.-- EUR
01-1427-0025	25 g	500.-- EUR

---

**Boc-L-Lys(Fmoc)-OH**N<sup>α</sup>-Boc-N<sup>ε</sup>-Fmoc-L-lysine

CAS No.: 84624-27-1      MW: 468.6

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1428-0025	25 g	125.-- EUR
01-1428-0100	100 g	500.-- EUR

---

**Boc-D-Lys(Fmoc)-OH**N<sup>α</sup>-Boc-N<sup>ε</sup>-Fmoc-D-lysine

CAS No.: 115186-31-7      MW: 468.6

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2428-0005	5 g	300.-- EUR
01-2428-0025	25 g	850.-- EUR

---

**Boc-L-Lys(TFA)-OH**N<sup>α</sup>-Boc-N<sup>ε</sup>-trifluoroacetyl-L-lysine

CAS No.: 16965-06-3

MW: 342.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1430-0005	5 g	70.-- EUR
01-1430-0025	25 g	225.-- EUR

---

**Boc-L-Lys(Z)-OH**N<sup>α</sup>-Boc-N<sup>ε</sup>-Z-L-lysine

CAS No.: 2389-45-9

MW: 380.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1424-0005	5 g	35.-- EUR
01-1424-0025	25 g	50.-- EUR
01-1424-0100	100 g	152.-- EUR

---

**Ddz-L-Lys(Boc)-OH (oil)**N<sup>α</sup>-Ddz-N<sup>ε</sup>-Boc-L-lysine

CAS No.: n.a.

MW: 468.6

HPLC purity &gt; 97.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1422-0001	1 g	80.-- EUR
02-1422-0005	5 g	270.-- EUR

---

**Ddz-L-Lys(Z)-OH**N<sup>α</sup>-Ddz, N<sup>ε</sup>-Z-L-lysine

CAS No.: n.a.

MW: 502.6

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1424-0001	1 g	80.-- EUR
02-1424-0005	5 g	270.-- EUR

---

**Fmoc-L-Lys(Ac)-OH**N<sup>α</sup>-Fmoc-N<sup>ε</sup>-acetyl-L-lysine

CAS No.: 159766-56-0

MW: 410.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1421-0001	1 g	40.-- EUR
03-1421-0005	5 g	140.-- EUR

---

**Fmoc-L-Lys(Alloc)-OH**N<sup>α</sup>-Fmoc-N<sup>ε</sup>-allyloxycarbonyl-L-lysine

CAS No.: 146982-27-6

MW: 452.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1432-0005	5 g	60.-- EUR
03-1432-0025	25 g	225.-- EUR
03-1432-0100	100 g	675.-- EUR

---

**Fmoc-D-Lys(Alloc)-OH**N<sup>α</sup>-Fmoc-N<sup>ε</sup>-allyloxycarbonyl-D-lysine

CAS No.: 214750-75-1

MW: 452.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2432-0005	5 g	90.-- EUR
03-2432-0025	25 g	375.-- EUR

---

**Fmoc-L-Lys-OAll x HCl**N<sup>α</sup>-Fmoc-L-lysine allyl ester hydrochloride

CAS No.: 815619-80-8

MW: 408.5 \* 36.46

HPLC purity &gt; 95.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1434-0001	1 g	40.-- EUR
03-1434-0005	5 g	120.-- EUR
03-1434-0025	25 g	280.-- EUR

---

**Fmoc-L-Lys(Boc)-OH**N<sup>α</sup>-Fmoc-N<sup>ε</sup>-Boc-L-lysine

CAS No.: 71989-26-9

MW: 468.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1422-0025	25 g	45.-- EUR
03-1422-0100	100 g	90.-- EUR
03-1422-0250	250 g	180.-- EUR

---

**Fmoc-D-Lys(Boc)-OH**N<sup>α</sup>-Fmoc-N<sup>ε</sup>-Boc-D-lysine

CAS No.: 92122-45-7

MW: 468.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2422-0005	5 g	40.-- EUR
03-2422-0025	25 g	160.-- EUR
03-2422-0100	100 g	440.-- EUR

---

**Fmoc-L-Lys(Z)-OH**N<sup>α</sup>-Fmoc-N<sup>ε</sup>-Z-L-lysine

CAS No.: 86060-82-4

MW: 502.6

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1424-0005	5 g	70.-- EUR
03-1424-0025	25 g	225.-- EUR
03-1424-0100	100 g	600.-- EUR

---

**Fmoc-L-Lys(2-Cl-Z)-OH**N<sup>α</sup>-Fmoc-N<sup>ε</sup>-2-chloro-Z-L-lysine

CAS No.: 133970-31-7

MW: 537.0

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1426-0001	1 g	35.-- EUR
03-1426-0005	5 g	100.-- EUR
03-1426-0025	25 g	410.-- EUR

---

**Fmoc-D-Lys(2-Cl-Z)-OH**N<sup>α</sup>-Fmoc-N<sup>ε</sup>-2-chloro-Z-D-lysine

CAS No.: 133970-31-7

MW: 537.0

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
03-2426-0001	1 g	125.-- EUR
03-2426-0005	5 g	425.-- EUR

---

**Fmoc-L-Lys(Fmoc)-OH**N<sup>α,ε</sup>-di-Fmoc-L-lysine

CAS No.: 78081-87-5

MW: 590.7

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

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Ordering-No.:	Quantity	Price
03-1428-0025	25 g	75.-- EUR
03-1428-0100	100 g	200.-- EUR
03-1428-0500	500 g	700.-- EUR

---

**Fmoc-D-Lys(Fmoc)-OH**N<sup>α,ε</sup>-di-Fmoc -D-lysine

CAS No.: 75932-02-4

MW: 590.7

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
03-2428-0005	5 g	125.-- EUR
03-2428-0025	25 g	500.-- EUR

---

**H-L-Lys-NH<sub>2</sub> x 2 HCl**

L-Lysine amide di-hydrochloride

CAS No.: 51127-08-3

MW: 146.3 x 72.9

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

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Ordering-No.:	Quantity	Price
07-1421-0005	5 g	55.-- EUR
07-1421-0025	25 g	245.-- EUR
07-1421-0100	100 g	450.-- EUR

---

**H-D-Lys-NH<sub>2</sub> x 2 HCl**

D-Lysine amide dihydrochloride

CAS No.: 205598-51-2

MW: 146.3 x 72.9

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
07-2421-0001	1 g	145.-- EUR
07-2421-0005	5 g	585.-- EUR

---

**H-L-Lys-OMe x 2 HCl**

L-Lysine methylester dihydrochloride

CAS No.: 26348-70-9

MW: 160.23 x 72.9

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

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Ordering-No.:	Quantity	Price
08-1421-0005	5 g	40.-- EUR
08-1421-0025	25 g	100.-- EUR

---



**H-L-Lys(Boc)-OH**N<sup>ε</sup>-Boc-L-lysine

CAS No.: 2418-95-3

Purity &gt; 99.0 %

MW: 246.3

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1422-0005	5 g	80.-- EUR
08-1422-0025	25 g	325.-- EUR

---

**H-D-Lys(Boc)-OH**N<sup>ε</sup>-Boc-D-lysine

CAS No.: 31202-69-4

Purity &gt; 99.0 %

MW: 246.3

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-2422-0001	1 g	80.-- EUR
08-2422-0005	5 g	300.-- EUR

---

**H-L-Lys(2Cl-Z)-OH**N<sup>ε</sup>-2-Chloro-Z-L-lysine

CAS No.: 42390-97-6

Purity &gt; 99.0 %

MW: 314.8

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1426-0005	5 g	40.-- EUR
08-1426-0025	25 g	130.-- EUR
08-1426-0100	100 g	395.-- EUR

---

**H-D-Lys(2Cl-Z)-OH**N<sup>ε</sup>-2-Chloro-Z-D-lysine

CAS No.: 201014-19-9

Purity &gt; 99.0 %

MW: 314.8

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-2426-0001	1 g	45.-- EUR
08-2426-0005	5 g	130.-- EUR
08-2426-025	25 g	530.-- EUR

---

**H-L-Lys(Z)-OH**N<sup>ε</sup>-Z-L-lysine

CAS No.: 1155-64-2

Purity &gt; 99.0 %

MW: 280.3

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1424-0025	25 g	50.-- EUR
08-1424-0100	100 g	100.-- EUR

---

**H-L-Lys(Z)-OBzl x HCl**N<sup>ε</sup>-Z-L-lysine benzyl ester hydrochloride

CAS No.: 6366-70-7

Purity &gt; 99.0 %

MW: 370.45 x 36.46

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1434-0005	5 g	75.-- EUR
08-1434-0025	25 g	260.-- EUR

---

**Z-L-Lys-OH**N<sup>α</sup>-Z-L-lysine

CAS No.: 2212-75-1

MW: 280.3

HPLC Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1420-0005	5 g	60.-- EUR
04-1420-0025	25 g	185.-- EUR

---

**Z-D-Lys-OH**N<sup>α</sup>-Z-D-lysine

CAS No.: 70671-54-4

MW: 280.3

HPLC Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-2420-0001	1 g	65.-- EUR
04-2420-0005	5 g	180.-- EUR

---

**Z-L-Lys(Boc)-OH**N<sup>α</sup>-Z-N<sup>ε</sup>-Boc-L-lysine

CAS No.: 2389-60-8

MW: 380.4

HPLC Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1422-0005	5 g	55.-- EUR
04-1422-0025	25 g	170.-- EUR

---

**Z-L-Lys(Boc)-OH x DCHA**N<sup>α</sup>-Z-N<sup>ε</sup>-Boc-L-lysine dicyclohexylammonium salt

CAS No.: 2212-76-2                      MW: 380.4 x 181.3

HPLC Purity &gt; 99.0 %                      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1423-0005	5 g	40.-- EUR
04-1423-0025	25 g	145.-- EUR
04-1423-0100	100 g	480.-- EUR

---

**Z-D-Lys(Boc)-OH**N<sup>α</sup>-Z-N<sup>ε</sup>-Boc-D-lysine

CAS No.: 66845-42-9                      MW: 380.4

HPLC Purity &gt; 99.0 %                      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-2422-0001	1 g	95.-- EUR
04-2422-0005	5 g	345.-- EUR

## **Methionine**

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### **H-L-Met-OH**

L-Methionine

CAS No.: 63-68-3

Purity > 99.0 %

MW: 149.2

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1450-0100	100 g	35.-- EUR
00-1450-0500	500 g	80.-- EUR
00-1450-1000	1000 g	120.-- EUR

---

### **H-D-Met-OH**

D-Methionine

CAS No.: 63-68-3

Purity > 99.0 %

MW: 149.2

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2450-0100	100 g	100.-- EUR
00-2450-0500	500 g	400.-- EUR

---

### **Boc-L-Met-OH**

Boc-L-methionine

CAS No.: 2488-15-5

HPLC purity > 99.0 %

MW: 249.3

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1450-0025	25 g	40.-- EUR
01-1450-0100	100 g	100.-- EUR
01-1450-0250	250 g	215.-- EUR

---

**Boc-D-Met-OH**

Boc-D-methionine

CAS No.: 5241-66-7

MW: 249.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2450-0005	5 g	50.-- EUR
01-2450-0025	25 g	160.-- EUR

---

**Boc-L-Met(O)-OH**

Boc-L-methionine sulfoxide

CAS No.: 34805-21-5

MW: 265.32

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1451-0005	5 g	45.-- EUR
01-1451-0025	25 g	150.-- EUR

---

**Boc-L-Met(O<sub>2</sub>)-OH**

Boc-L-methionine-sulfone

CAS No.: 60280-45-7

MW: 281.3

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1452-0005	5 g	150.-- EUR
01-1452-0025	25 g	600.-- EUR

---

**Ddz-L-Met-OH x CHA**

Ddz-L-methionine x CHA

MW: 371.5 x 99.2

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1395-0001	1 g	40.-- EUR
02-1395-0005	5 g	120.-- EUR
02-1395-0025	25 g	240.-- EUR

---

**Fmoc-L-Met-OH**

Fmoc-L-methionine

CAS No.: 71989-28-1

MW: 371.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1450-0100	100 g	35.-- EUR
03-1450-0250	250 g	70.-- EUR
03-1450-0500	500 g	110.-- EUR

---

**Fmoc-D-Met-OH**

Fmoc-D-methionine

CAS No.: 112883-40-6

MW: 371.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2450-0005	5 g	75.-- EUR
03-2450-0025	25 g	300.-- EUR

---

**H-L-Met-NH<sub>2</sub> x HCl**

L-Methionine amide hydrochloride

CAS No.: 16120-92-6

MW: 163.24 x 36.45

Purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
07-1452-0001	1 g	35.-- EUR
07-1452-0005	5 g	52.-- EUR
07-1452-0025	25 g	205.-- EUR

---

**H-D-Met-OMe x HCl**

D-Methionine methylester hydrochloride

CAS No.: 69630-60-0

MW: 163.24 x 36.46

Purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1452-0005	5 g	60.-- EUR
08-1452-0025	25 g	200.-- EUR

---

**H-L-Met-OMe x HCl**

L-Methionine methylester hydrochloride

CAS No.: 2491-18-1

MW: 163.24 x 36.46

Purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1452-0005	5 g	40.-- EUR
08-1452-0025	25 g	75.-- EUR

---



**Z-L-Met-OH**

Z-L-methionine

CAS No.: 1152-62-1

MW: 283.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1450-0025	25 g	60.-- EUR
04-1450-0100	100 g	150.-- EUR

## Norleucine

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### H-L-Nle-OH

L-Norleucine

CAS No.: 327-57-1

MW: 131.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1470-0005	5 g	65.-- EUR
00-1470-0025	25 g	235.-- EUR
00-1470-0100	100 g	700.-- EUR

---

### H-D-Nle-OH

D-Norleucine

CAS No.: 327-56-0

MW: 131.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2470-0005	5 g	100.-- EUR
00-2470-0025	25 g	375.-- EUR

---

### H-L-Nle-OtBu x HCl

L-Norleucine t.butylester hydrochloride

CAS No.: n.a.

MW: 187.2 x 36.46

Purity > 98.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
05-1472-0005	5 g	95.-- EUR
05-1472-0025	25 g	335.-- EUR

---

**Boc-L-Nle-OH oil**

Boc-L-norleucine oil

CAS No.: 6404-28-0

HPLC purity &gt; 97.0 %

MW: 231.3

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1460-0005	5 g	100.-- EUR
01-1460-0025	25 g	375.-- EUR

---

**Boc-D-Nle-OH oil**

Boc-D-norleucine oil

CAS No.: 55674-63-0

HPLC purity &gt; 97.0 %

MW: 231.3

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1460-0005	5 g	180.-- EUR
01-1460-0025	25 g	700.-- EUR

---

**Fmoc-L-Nle-OH**

Fmoc-L-norleucine

CAS No.: 77284-32-3

HPLC purity &gt; 99.0 %

MW: 353.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1470-0005	5 g	50.-- EUR
03-1470-0025	25 g	195.-- EUR

---

**Fmoc-D-Nle-OH**

Fmoc-D-norleucine

CAS No.: 112883-41-7

MW: 353.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2470-0005	1 g	80.-- EUR
03-2470-0025	5 g	300.-- EUR

---

**Z-L-Nle-OH**

Z-L-norleucine

CAS No.: 39608-30-5

MW: 265.31

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1470-0005	5 g	50.-- EUR
04-1470-0025	25 g	195.-- EUR

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## **Norvaline**

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### **H-L-Nva-OH**

L-Norvaline

CAS No.: 6600-40-4

MW: 117.15

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1700-0005	5 g	65.-- EUR
00-1700-0025	25 g	175.-- EUR

---

### **H-D-Nva-OH**

D-Norvaline

CAS No.: 2013-12-9

MW: 117.15

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2700-0005	5 g	100.-- EUR
00-2700-0025	25 g	275.-- EUR

---

### **Boc-L-Nva-OH oil**

Boc-L-norvaline oil

CAS No.: 53308-95-5

MW: 217.2

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1700-0005	5 g	80.-- EUR
01-1700-0025	25 g	300.-- EUR

---

**Fmoc-L-Nva-OH**

Fmoc-L-norvaline

CAS No.: 135112-28-6

MW: 339.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1700-0005	5 g	50.-- EUR
03-1700-0025	25 g	170.-- EUR

**Z-L-Nva-OH**

Z-L-norvaline

CAS No.: 21691-44-1

MW: 251.27

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1700-0005	5 g	50.-- EUR
03-1700-0025	25 g	170.-- EUR

## Ornithine

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### H-L-Orn-OH x HCl

L-Ornithine hydrochloride

CAS No.: 3184-13-2

MW: 132.15 x 36.46

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1480-0100	100 g	35.-- EUR
00-1480-0500	500 g	80.-- EUR
00-1480-1000	1000 g	120.-- EUR

---

### H-D-Orn-OH x HCl

D-Ornithine hydrochloride

CAS No.: 16682-12-5

MW: 132.15 x 36.46

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1480-0025	25 g	150.-- EUR
00-1480-0100	100 g	450.-- EUR

---

### Boc-L-Orn-OH

N<sup>α</sup>-Boc-L-ornithine

CAS No.: 21887-64-9

MW: 232.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1480-0005	5 g	75.-- EUR
01-1480-0025	25 g	300.-- EUR

---

**Boc-L-Orn(Boc)-OH**N<sup>α,δ</sup>-di-Boc-L-ornithine

CAS No.: 57133-29-6

HPLC purity &gt; 99.0 %

MW: 332.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1490-0005	5 g	60.-- EUR
01-1490-0025	25 g	250.-- EUR

---

**Boc-L-Orn(Fmoc)-OH**N<sup>α</sup>-Boc- N<sup>δ</sup>-Fmoc-L-ornithine

CAS No.: 150828-96-9

HPLC purity &gt; 99.0 %

MW: 454.5

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1488-0005	5 g	200.-- EUR
01-1488-0025	25 g	800.-- EUR

---

**Boc-L-Orn(Z)-OH**N<sup>α</sup>-Boc- N<sup>δ</sup>-Z-L-ornithine

CAS No.: 2480-93-5

HPLC purity &gt; 99.0 %

MW: 366.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1484-0005	5 g	45.-- EUR
01-1484-0025	25 g	125.-- EUR
01-1484-0100	100 g	375.-- EUR

---



**Ddz-L-Orn(Boc)-OH x CHA**N<sup>α</sup>-Ddz- N<sup>δ</sup>-Boc-L-ornithine

CAS No.: n.a.

MW: 454.5 x 99.2

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1485-0001	1 g	80.-- EUR
02-1485-0005	5 g	270.-- EUR

---

**Ddz-L-Orn(Z)-OH (oil)**N<sup>α</sup>-Ddz, N<sup>δ</sup>-Z-L-ornithine

CAS No.: n.a.

MW: 488.6

HPLC purity &gt; 97.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1484-0001	1 g	80.-- EUR
02-1484-0005	5 g	270.-- EUR

---

**Fmoc-L-Orn(Boc)-OH**N<sup>α</sup>-Fmoc- N<sup>δ</sup>-Boc-L-ornithine

CAS No.: 109425-55-0

MW: 454.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1482-0005	5 g	55.-- EUR
03-1482-0025	25 g	200.-- EUR
03-1482-0100	100 g	600.-- EUR

---

**Fmoc-D-Orn(Boc)-OH**N<sup>α</sup>-Fmoc- N<sup>δ</sup>-Boc-D-ornithine

CAS No.: 118476-89-4

MW: 454.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2482-0005	5 g	125.-- EUR
03-2482-0025	25 g	500.-- EUR

---

**H-L-Orn(Boc)-OH**N<sup>δ</sup>-Boc-L-ornithine

CAS No.: 13650-49-2

MW: 232.3

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1482-0005	5 g	85.-- EUR
08-1482-0025	25 g	345.-- EUR

---

**H-D-Orn(Boc)-OH**N<sup>δ</sup>-Boc-D-ornithine

CAS No.: 184576-63-4

MW: 232.3

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-2482-0001	1 g	60.-- EUR
08-2482-0005	5 g	255.-- EUR

---

**H-L-Orn(Boc)-OMe x HCl**N<sup>δ</sup>-Boc-L-ornithine methyl ester hydrochloride

CAS No.: 2480-96-8

MW: 246.35 x 36.45

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1483-0001	1 g	70.-- EUR
08-1483-0005	5 g	275.-- EUR
08-1483-0025	25 g	1100.-- EUR

---

**H-L-Orn(Fmoc)-OH**N<sup>δ</sup>-Fmoc-L-ornithine

CAS No.: 147071-84-9

MW: 354.4

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1488-0001	1 g	95.-- EUR
08-1488-0005	5 g	455.-- EUR

---

**H-L-Orn(Z)-OH**N<sup>δ</sup>-Z-L-ornithine

CAS No.: 3304-51-6

MW: 266.3

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1484-0005	5 g	40.-- EUR
08-1484-0025	25 g	95.-- EUR

---

**Z-L-Orn-OH**N<sup>α</sup>-Z-L-ornithine

CAS No.: 2640-58-6

HPLC purity &gt; 99.0 %

MW: 266.3

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
04-1480-0001	1 g	50.-- EUR
04-1480-0005	5 g	125.-- EUR
04-1480-0025	25 g	450.-- EUR

---

**Z-L-Orn(Boc)-OH**N<sup>α</sup>-Z- N<sup>δ</sup>-Boc-L-ornithine

CAS No.: 7733-29-1

HPLC purity &gt; 99.0 %

MW: 366.4

Optical purity &gt; 99.5 %

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Ordering-No.:	Quantity	Price
04-1482-0005	5 g	90.-- EUR
04-1482-0025	25 g	340.-- EUR

---

## **Phenylalanine**

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### **H-L-Phe-OH**

L-Phenylalanine

CAS No.: 63-91-2

Purity > 99.0 %

MW: 165.2

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1510-0025	100 g	35.-- EUR
00-1510-0100	500 g	80.-- EUR
00-1510-1000	1000 g	120.-- EUR

---

### **H-D-Phe-OH**

D-Phenylalanine

CAS No.: 673-06-3

Purity > 99.0 %

MW: 165.2

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2510-0025	25 g	50.—EUR
00-2510-0100	100 g	150.—EUR

---

### **Boc-L-Phe-OH**

Boc-L-phenylalanine

CAS No.: 13734-34-4

HPLC purity > 99.0 %

MW: 265.3

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1510-0025	25 g	30.—EUR
01-1510-0100	100 g	100.—EUR
01-1510-0250	250 g	200.—EUR

---

**Boc-L-Phe-OMe**

Boc-L-phenylalanine methylester

CAS No.: 51987-73-6      MW: 279.32

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1511-0025	25 g	80.—EUR
01-1511-0100	100 g	250.—EUR

---

**Boc-D-Phe-OH**

Boc-D-phenylalanine

CAS No. : 18942-49-9      MW : 265.3

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2510-0005	5 g	40.—EUR
01-2510-0025	25 g	95.—EUR
01-2510-0100	100 g	270.—EUR
01-2510-0500	500 g	550.—EUR

---

**Boc-L-Phe-NH<sub>2</sub>**N- $\alpha$ -t.-Boc-L-phenylalanine amide

CAS No.: 35150-06-2      MW: 264.3

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1513-0005	5 g	65.—EUR
01-1513-0025	25 g	245.—EUR
01-1513-0100	100 g	820.—EUR

---

**Boc-L-Phe-ONSu**

Boc-L-phenylalanyloxy-N-succinimide

CAS No.: 3674-06-4

MW: 362.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1515-0005	5 g	60.—EUR
01-1515-0025	25 g	180.—EUR

---

**Ddz-L-Phe-OH**

Ddz-L-phenylalanine

MW: 387.4

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1510-0001	1 g	40.—EUR
02-1510-0005	5 g	120.—EUR
02-1510-0025	25 g	240.—EUR

---

**Fmoc-L-Phe-OH**

Fmoc-L-phenylalanine

CAS No.: 35661-40-6

MW: 387.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1510-0025	25 g	25.—EUR
03-1510-0100	100 g	40.—EUR
03-1510-0250	250 g	95.—EUR

---

**Fmoc-D-Phe-OH**

Fmoc-D-phenylalanine

CAS No.: 86123-10-6

HPLC purity &gt; 99.0 %

MW: 387.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2510-0005	5 g	45.—EUR
03-2510-0025	25 g	125.—EUR
03-2510-0100	100 g	375.—EUR
03-2510-0500	500 g	550,— EUR

---

**Fmoc-L-Phe-ONSu**

Fmoc-L-phenylalanyloxy-N-succinimide

CAS No.: 101214-43-1

HPLC purity &gt; 99.0 %

MW: 484.5

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1511-0001	1 g	40.—EUR
03-1511-0005	5 g	90.—EUR
03-1511-0025	25 g	350.—EUR

---

**Fmoc-L-Phe-OPfp**

Fmoc-L-phenylalanine pentafluorophenyl ester

CAS No. : 860060-92-6

HPLC purity &gt; 99.0 %

MW : 553.5

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1512-0005	5 g	60.—EUR
03-1512-0025	25 g	240.—EUR

---



**Fmoc-D-4-F-Phe-OH**

Fmoc -D-4-fluorophenylalanine

CAS No.: 177966-64-2

MW: 405.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2520-0001	1 g	60.—EUR
03-2520-0005	5 g	200.—EUR

---

**H-L-Phe-OAll x Tos**

L-Phenylalanine allyl ester tosylate

CAS No.: 88224-00-4

MW: 188.2 x 172.2

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1512-0025	25 g	65.—EUR
08-1512-0100	100 g	260.—EUR

---

**H-D-Phe-OAll x Tos**

D-Phenylalanine allyl ester tosylate

CAS No.:

MW: 188.2 x 172.2

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-2512-0005	5 g	65.—EUR
08-2512-0025	25 g	260.—EUR

---

**H-D-Phe-OMe x HCl**

D-Phenylalanine methyl ester hydrochloride

CAS No.: 13033-84-6

MW: 179.2 x 36.6

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1514-0005	5 g	40.—EUR
05-1514-0025	25 g	150.—EUR

---

**H-L-Phe-OMe x HCl**

L-Phenylalanine methyl ester hydrochloride

CAS No.: 7524-50-7 MW: 179.2 x 36.6

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1514-0005	5 g	15.—EUR
08-1514-0025	25 g	50.—EUR
08-1514-0250	250 g	190,— EUR

---

**H-L-Phe-NH<sub>2</sub> x HCl**

L-Phenylalanine amide hydrochloride

CAS No.: 65864-22-4

MW: 164.25 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
07-1513-0005	5 g	60.—EUR
07-1513-0025	25 g	180.—EUR

---

**H-D-Phe-NH<sub>2</sub> x HCl**

D-Phenylalanine amide hydrochloride

CAS No.: 71666-94-2

MW: 164.25 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

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Ordering-No.:	Quantity	Price
07-2513-0001	1 g	55.—EUR
07-2513-0005	5 g	150.—EUR
07-2513-0025	25 g	550.—EUR

---

**H-L-Phe-OtBu x HCl**

L-Phenylalanine t.butyl ester hydrochloride

CAS No.: 15100-75-1

MW: 221.35 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
05-1514-0005	5 g	70.—EUR
05-1514-0025	25 g	250.—EUR

---

**H-D-Phe-OtBu x HCl**

D-Phenylalanine t.butyl ester hydrochloride

CAS No.: 3403-25-6

MW: 221.35 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

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Ordering-No.:	Quantity	Price
05-2514-0001	1 g	50.—EUR
05-2514-0005	5 g	150.—EUR
05-2514-0025	25 g	550.—EUR

---

**H-L-Phe-OBzl x HCl**

L-Phenylalaninebenzyl ester hydrochloride

CAS No.: 2462-32-0

MW: 255.32 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1515-0005	5 g	50.—EUR
05-1515-0025	25 g	130.—EUR

---

**Z-L-Phe-OH**

Z-L-phenylalanine

CAS No.: 1161-13-3

MW: 299.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1510-0025	25 g	55.—EUR
04-1510-0100	100 g	110.—EUR

---

**Z-L-4-F-Phe-OH**

Z-L-4-fluoro-phenylalanine

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1510-0005	5 g	60.—EUR
04-1510-0025	25 g	150.—EUR

---

**Z-L-Phe-ONSu**N<sup>α</sup>-Z-L-phenylalanine-N-succinimidylester

CAS No.: 3397-36-2

MW: 396.38

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1511-0005	5 g	30.—EUR
04-1511-0025	25 g	80.—EUR

---

**Z-D-Phe-OH**

Z-D-phenylalanine

CAS No.: 2448-45-5

MW: 299.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-2510-0005	5 g	55.—EUR
04-2510-0025	25 g	180.—EUR
04-2510-0100	100 g	475.—EUR

## ***N-Methyl-Phenylalanine***

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### **N-Me-L-Phe-OH x HCl**

N-Methyl-L-phenylalanine monohydrochloride

CAS No.: 2566-30-5

MW: 142.77 x 36.46

Purity > 98.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1517-0001	1 g	55.-- EUR
00-1517-0005	5 g	180.-- EUR

---

### **N-Me-Boc-L-Phe-OH**

N<sup>α</sup>-Boc, N<sup>α</sup>-Methyl-L-phenylalanine

CAS No.: 37553-65-4

MW: 279.43

Purity > 98.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1517-0001	1 g	45.-- EUR
01-1517-0005	5 g	125.-- EUR
01-1517-0025	25 g	450.-- EUR

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### **N-Me, N-Fmoc-L-Phe-OH**

N<sup>α</sup>- Methyl, N<sup>α</sup>- Fmoc-L-phenylalanine

CAS No.: 77128-73-5

MW: 401.47

Purity > 98.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
03-1517-0001	1 g	65.-- EUR
03-1517-0005	5 g	150.-- EUR
03-1517-0025	25 g	650.-- EUR

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## **Phenylglycine**

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### **H-L-Phg-OH**

L-Phenylglycine

CAS No.: 2935-35-5

MW: 151.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1280-0025	25 g	45.—EUR
00-1280-0100	100 g	100.—EUR

---

### **H-D-Phg-OH**

D-Phenylglycine

CAS No.: 875-74-1

MW: 151.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2280-0025	25 g	40.—EUR
00-2280-0100	100 g	80.—EUR

---

### **Boc-L-Phg-OH**

Boc-L-phenylglycine

CAS No.: 2900-27-8

MW: 251.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1280-0005	5 g	45.—EUR
01-1280-0025	25 g	125.—EUR

---

**Boc-D-Phg-OH**

Boc-D-phenylglycine

CAS No.: 33125-05-2

HPLC purity &gt; 99.0 %

MW: 251.3

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2280-0005	5 g	80.—EUR
01-2280-0025	25 g	275.—EUR

---

**Fmoc-L-Phg-OH**

Fmoc-L-phenylglycine

CAS No.: 102410-65-1

HPLC purity &gt; 99.0 %

MW: 373.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1280-0005	5 g	45.—EUR
01-1280-0025	25 g	125.—EUR

---

**H-L-Phg-OMe x HCl**

Boc-L-phenylglycine

CAS No.: 15028-39-4

HPLC purity &gt; 99.0 %

MW: 165.25 x 36.46

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1280-0001	1 g	55.—EUR
08-1280-0005	5 g	160.—EUR

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## **Proline**

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### **H-L-Pro-OH**

L-Proline

CAS No.: 147-85-3

MW: 115.1

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1540-0100	100 g	35.—EUR
00-1540-0500	500 g	80.—EUR
00-1540-1000	1000 g	120.-- EUR

---

### **H-D-Pro-OH**

D-Proline

CAS No.: 344-25-2

MW: 115.1

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2540-0025	25 g	150.-- EUR
00-2540-0100	100 g	450.-- EUR

---

### **Boc-L-Pro-OH**

Boc-L-proline

CAS No.: 15761-39-4

MW: 215.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1540-0025	25 g	20.-- EUR
01-1540-0100	100 g	60.-- EUR

---

**Boc-D-Pro-OH**

Boc-D-proline

CAS No.: 37784-17-1

MW: 215.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

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Ordering-No.:	Quantity	Price
01-2540-0005	5 g	70.-- EUR
01-2540-0025	25 g	225.-- EUR
01-2540-0100	100 g	675.-- EUR

---

**Boc-L-Pro-NH<sub>2</sub>**

Boc-L-proline amide

CAS No.: 35150-07-3

MW: 214.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
01-1543-0005	5 g	125.-- EUR
01-1543-0025	25 g	500.-- EUR

---

**Ddz-L-Pro-OH**

Ddz-L-proline

MW: 337.4

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

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Ordering-No.:	Quantity	Price
02-1540-0001	1 g	40.-- EUR
02-1540-0005	5 g	120.-- EUR
02-1540-0025	25 g	240.—EUR

---

**Fmoc-L-Pro-OH**

Fmoc-L-proline

CAS No.: 71989-31-6

MW: 337.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1540-0025	25 g	25.—EUR
03-1540-0100	100 g	40.—EUR
03-1540-0250	250 g	95.—EUR

---

**Fmoc-D-Pro-OH**N- $\alpha$ -Fmoc-D-proline

CAS No.: 101555-62-8

MW: 337.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2540-0005	5 g	35.—EUR
03-2540-0025	25 g	100.—EUR
03-2540-0100	100 g	190.—EUR
03-2540-0250	250 g	375.-- EUR

---

**Fmoc-L-Pro-ONSu**

Fmoc-L-prolyloxy-N-succinimide

CAS No.: 109074-94-4

MW: 434.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1542-0005	5 g	90.-- EUR
03-1542-0025	25 g	300.-- EUR

---

**H-L-Pro-NH<sub>2</sub> x HCl**

L-Proline amide hydrochloride

CAS No.: 42429-27-6

MW: 114.15 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
07-1545-0001	1 g	45.-- EUR
07-1545-0005	5 g	115.-- EUR
07-1545-0025	25 g	380.-- EUR

---

**H-D-Pro-NH<sub>2</sub> x HCl**

D-Proline amide hydrochloride

CAS No.:

MW: 114.15 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
07-2545-0001	1 g	75.-- EUR
07-2545-0005	5 g	275.-- EUR

---

**H-L-Pro-OMe x HCl**

L-Proline methylester hydrochloride

CAS No.: 2133-40-6

MW: 129.16 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1544-0025	25 g	110.-- EUR
08-1544-0100	100 g	300.-- EUR

---

**H-L-Pro-OtBu x HCl**

L-Proline t.butyl ester hydrochloride

CAS No.: 5497-76-6

MW: 171.24

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1542-0005	5 g	80.-- EUR
05-1542-0025	25 g	275.-- EUR

---

**Z-L-Pro-OH**

Z-L-proline

CAS No.: 1148-11-4

MW: 249.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1540-0025	25 g	50.-- EUR
04-1540-0100	100 g	80.-- EUR

---

**Z-D-Pro-OH**

Z-D-proline

CAS No.: 6404-31-5

MW: 249.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-2540-0005	5 g	50.-- EUR
04-2540-0025	25 g	128.-- EUR

---

**Z-L-Pro-OtBu**

Z-L-proline t.butyl ester

CAS No.: 16881-39-3

HPLC purity &gt; 99.0 %

MW: 305.3

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1541-0005	5 g	65.-- EUR
04-1541-0025	25 g	190.-- EUR

---

**Z-L-Pro-NH<sub>2</sub>**

Z-L-proline amide

CAS No.: 34079-31-7

HPLC purity &gt; 99.0 %

MW: 248.3

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1543-0005	5 g	55.-- EUR
04-1543-0025	25 g	160.-- EUR
04-1543-0100	100 g	525.-- EUR

## Serine

---

### H-L-Ser-OH

L-Serine

CAS No.: 56-45-1

MW: 105.1

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1570-0100	100 g	35.-- EUR
00-1570-0500	500 g	80.—EUR
00-1570-1000	1000 g	120.-- EUR

---

### H-D-Ser-OH

D-Serine

CAS No.: 312-84-5

MW: 105.1

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2570-0025	25 g	50.-- EUR
00-2570-0100	100 g	150.-- EUR

---

### Boc-L-Ser-OH

Boc-L-serine

CAS No.: 3262-72-4

MW: 205.2

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1570-0025	25 g	70.-- EUR
01-1570-0100	100 g	180.-- EUR

---

**Boc-D-Ser-OH**

Boc-D-serine

CAS No.: 6368-20-3

MW: 205.2

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
01-2570-0005	5 g	70.-- EUR
01-2570-0025	25 g	225.-- EUR

---

**Boc-L-Ser(Bzl)-OH**

Boc-O-benzyl-L-serine

CAS No.: 23680-31-1

MW: 295.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
01-1576-0025	25 g	70.-- EUR
01-1576-0100	100 g	210.-- EUR

---

**Boc-L-Ser(Bzl)-ONSu**N<sup>α</sup>-Boc-O-benzyl-L-seryloxy-N-succinimide

CAS No.: 13650-73-2

MW: 392.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
01-1577-0005	5 g	75.-- EUR
01-1577-0025	25 g	250.-- EUR
01-1577-0100	100 g	700.-- EUR

---



**Boc-L-Ser(tBu)-OH (oil)**

Boc-O-t.butyl-L-serine oil

CAS No.: 13734-38-8

MW: 261.3

HPLC purity &gt; 97.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1572-0005	5 g	140.-- EUR
01-1572-0025	25 g	550.-- EUR

---

**Boc-L-Ser(tBu)-OH x DCHA**

Boc-O-t.butyl-L-serine dicyclohexylammonium salt

CAS No.: 18942-50-2

MW: 261.3 x 181.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1575-0001	1 g	25.-- EUR
01-1575-0005	5 g	90.-- EUR
01-1575-0025	25 g	375.-- EUR

---

**Ddz-D-Ser(tBu)-OH x CHA**

Ddz-O-t.butyl-D-serine cyclohexylammonium salt

CAS No.: n.a.

MW: 383.4 x 99.2

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1575-0001	1 g	120.-- EUR
02-1575-0005	5 g	350.-- EUR

---

**Ddz-L-Ser(tBu)-OH x CHA**

Ddz-O-t.butyl-L-serine x CHA

CAS No.: n.a.

MW: 383.4 x 99.2

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1575-0001	1 g	80.-- EUR
02-1575-0005	5 g	270.-- EUR

---

**Fmoc-L-Ser-OH x H<sub>2</sub>O**

Fmoc-L-serine monohydrate

CAS No.: 73724-45-5

MW: 327.3 x 18

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1570-0025	25 g	115.-- EUR
03-1570-0100	100 g	290.-- EUR

---

**Fmoc-D-Ser-OH x H<sub>2</sub>O**

Fmoc-D-serine monohydrate

CAS No.: 116861-26-8

MW: 327.3 x 18

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2570-0001	1 g	50.-- EUR
03-2570-0005	5 g	170.-- EUR
03-2570-0025	25 g	685.-- EUR

---

**Fmoc-L-Ser(tBu)-OH**

Fmoc-O-t.butyl-L-serine

CAS No.: 71989-33-8

HPLC purity &gt; 99.0 %

MW: 383.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1572-0025	25 g	45.-- EUR
03-1572-0100	100 g	110.-- EUR
03-1572-0250	250 g	180.-- EUR

---

**Fmoc-D-Ser(tBu)-OH**

Fmoc-O-t.butyl-D-serine

CAS No.: 128107-47-1

HPLC purity &gt; 99.0 %

MW: 383.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2572-0005	5 g	125.-- EUR
03-2572-0025	25 g	475.-- EUR

---

**Fmoc-L-Ser(GalNAc(Ac<sub>3</sub>)- $\alpha$ -D)-OH**Fmoc-O- $\beta$ -(2-acetamido-2-deoxy-3,4,6-tri-O-acetyl- $\alpha$ -D-galactopyranosyl)-L-serine

CAS No.: 120173-57-1

HPLC purity &gt; 99.0 %

MW: 656.6

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1595-0025	25 mg	175.-- EUR
03-1595-0100	100 mg	695.-- EUR

---

**H-L-Ser-OMe x HCl**

L-Serine methyl ester hydrochloride

CAS No.: 5680-80-8

MW: 119.12 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1573-0025	25 g	100.-- EUR
08-1573-0100	100 g	260.-- EUR

---

**H-D-Ser-OMe x HCl**

D-Serine methyl ester hydrochloride

CAS No.: 5874-57-7

MW: 119.12 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-2573-0005	5 g	100.-- EUR
08-2573-0025	25 g	400.-- EUR

---

**H-L-Ser(tBu)-OH**

O-t. Butyl-L-serine

CAS No.: 18822-58-7

MW: 161.2

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1572-0001	1 g	45.-- EUR
05-1572-0005	5 g	130.-- EUR
05-1572-0025	25 g	475.-- EUR

---

**H-D-Ser(tBu)-OH**

O-t. Butyl-D-serine

CAS No.: 18783-53-4

Purity &gt; 99.0 %

MW: 161.2

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-2572-0001	1 g	85.-- EUR
05-2572-0005	5 g	325.-- EUR

---

**Z-L-Ser-OH**

Z-L-serine

CAS No.: 1145-80-8

HPLC purity &gt; 99.0 %

MW: 239.2

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1570-0025	25 g	50.-- EUR
04-1570-0100	100 g	95.-- EUR

---

**Z-D-Ser-OH**

Z-D-serine

CAS No.: 6081-61-4

HPLC purity &gt; 99.0 %

Bulk amounts available?

MW: 239.2

Optical purity &gt; 99.5 %

Yes

Ordering-No.:	Quantity	Price
04-2570-0005	5 g	100.-- EUR
04-2570-0025	25 g	325.-- EUR

---

**Z-L-Ser(tBu)-OH**

Z-O-t.butyl-L-serine

CAS No.: 1676-75-1

HPLC purity &gt; 99.0 %

Bulk amounts available?

MW: 295.3

Optical purity &gt; 99.5 %

Yes

Ordering-No.:	Quantity	Price
04-1572-0025	25 g	125.-- EUR
04-1572-0100	100 g	375.-- EUR

---

**Z-D-Ser(tBu)-OH**

Z-O-t.butyl-D-serine

CAS No.: 65806-90-8

HPLC purity &gt; 99.0 %

MW: 295.3

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-2572-0005	5 g	160.-- EUR
04-2572-0025	25 g	420.-- EUR

---

## **Threonine**

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### **H-L-Thr-OH**

L-Threonine

CAS No.: 72-19-2

MW: 119.1

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1600-0100	100 g	50.-- EUR
00-1600-0500	500 g	80.-- EUR
00-1600-1000	1000 g	120.-- EUR

---

### **Boc-L-Thr-OH**

Boc-L-threonine

CAS No.: 2592-18-9

MW: 219.2

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1600-0025	25 g	65.-- EUR
01-1600-0100	100 g	240.-- EUR

---

### **Boc-L-Thr(Bzl)-OH**

Boc-O-benzyl-L-threonine

CAS No.: 15260-10-3

MW: 309.4

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1606-0025	25 g	64.-- EUR
01-1606-0100	100 g	190.-- EUR

---

**Boc-L-Thr(Bzl)-ONSu**N<sup>α</sup>-Boc-O-benzyl-L-threonyloxy-N-succinimide

CAS No.: 32886-43-4      MW: 406.4

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1608-0005	5 g	75.-- EUR
01-1608-0025	25 g	250.-- EUR
01-1608-0100	100 g	700.-- EUR

---

**Boc-L-Thr(tBu)-OH**

Boc-O-t.butyl-L-threonine

CAS No.: 13734-40-2      MW: 275.3

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1602-0005	5 g	120.-- EUR
01-1602-0025	25 g	350.-- EUR

---

**Ddz-L-Thr(tBu)-OH x CHA**

Ddz-O-t.butyl-L-threonine x cyclohexylammonium salt

CAS No.: n.a.      MW: 397.5 x 99.2

HPLC purity &gt; 98.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1605-0001	1 g	80.-- EUR
02-1605-0005	5 g	270.-- EUR

---



**Fmoc-L-Thr-OH x H<sub>2</sub>O**

Fmoc-L-threonine monohydrate

CAS No.: 73731-37-0

MW: 359.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1600-0005	5 g	50.-- EUR
03-1600-0025	25 g	150.-- EUR
03-1600-0100	100 g	305.-- EUR

---

**Fmoc-L-Thr(tBu)-OH**

Fmoc-O-t.butyl-L-threonine

CAS No.: 71989-35-0

MW: 397.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1602-0025	25 g	45.-- EUR
03-1602-0100	100 g	110.-- EUR
03-1602-0250	250 g	180.-- EUR

---

**Fmoc-D-Thr(tBu)-OH**

Fmoc-O-t.butyl-D-threonine

CAS No.: 138797-71-4

MW: 397.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2602-0005	5 g	125.-- EUR
03-2602-0025	25 g	360.-- EUR
03-2602-0100	100 g	1100.-- EUR

---

**Fmoc-L-Thr-OtBu**

Fmoc-L-threonine t.butyl ester

CAS No.:

MW: 397.5

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1603-0001	1 g	95.-- EUR
03-1603-0005	5 g	380.-- EUR

---

**Fmoc-L-Thr(GalNAc(Ac<sub>3</sub>)- $\alpha$ -D)-OH**Fmoc-O-(2-acetamido-2-deoxy-3,4,6-tri-O-acetyl- $\alpha$ -D-galactopyranosyl)-L-threonine

CAS No.: 116783-35-8

MW: 670.7

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1615-0025	25 mg	175.-- EUR
03-1615-0100	100 mg	695.-- EUR

---

**H-L-Thr-OMe x HCl**

L-Threonine methyl ester hydrochloride

CAS No.: 39994-75-7

MW: 133.15 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1605-0005	5 g	60.-- EUR
08-1605-0025	25 g	100.-- EUR
08-1605-0100	100 g	260.-- EUR

---

**H-L-Thr(tBu)-OH**

O-t. Butyl-L-threonine

CAS No.: 4378-13-6

MW: 175.2

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Bulk amounts available?

Yes

Ordering-No.:	Quantity	Price
05-1602-0005	5 g	130.-- EUR
05-1602-0025	25 g	500.-- EUR

---

**H-L-Thr(tBu)-OtBu x HOAc**

O-t. Butyl-L-threonine t. butyl ester acetate salt

CAS No.: 5854-77-3

MW: 231.4 x 60

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1606-0001	1 g	75.-- EUR
05-1606-0005	5 g	120.-- EUR
05-1606-0025	25 g	350.-- EUR
05-1606-0250	250 g	1125.—EUR

---

**H-L-Thr-OtBu x HCl**

L-Threonine t. butyl ester hydrochloride

CAS No.: 69320-90-7

MW: 175.2 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1605-0001	1 g	30.—EUR
05-1605-0005	5 g	95.—EUR
05-1605-0025	25 g	395.—EUR

---

**Z-L-Thr-OH**

Z-L-threonine

CAS No.: 19728-63-3

MW: 253.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1600-0025	25 g	40.—EUR
04-1600-0100	100 g	95.—EUR

---

**Z-L-Thr(tBu)-OH x DCHA**

Z-O-t.butyl-L-threonine dicyclohexylammonium salt

CAS No.: 16966-07-7

MW: 309.4 x 181.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1605-0005	5 g	80.—EUR
04-1605-0025	25 g	275.—EUR

---

**Z-L-Thr(Bzl)-OH**

Z-O-benzyl-L-threonine

CAS No.: 69863-36-1

MW: 343.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1606-0005	5 g	100.—EUR
04-1606-0025	25 g	350.—EUR

## ***Tic ; 1,2,3,4-Tetrahydro isoquinoline-3-carboxylic acid***

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### **Fmoc-L-Tic-OH**

N-Fmoc-L-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid

CAS No.: 130309-33-6      MW: 399.5

HPLC purity > 99.0 %      Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
03-1625-0005	5 g	65.-- EUR
03-1625-0025	25 g	250.-- EUR
03-1625-0100	100 g	750.-- EUR

---

### **Fmoc-D-Tic-OH**

N-Fmoc-D-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid

CAS No.: 130309-33-0      MW: 399.5

HPLC purity > 99.0 %      Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
03-2625-0001	1 g	75.-- EUR
03-2625-0005	5 g	275.-- EUR

## ***Tryptophane***

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### **H-L-Trp-OH**

L-Tryptophan

CAS No.: 73-22-3

MW: 204.23

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1630-0100	100 g	50.-- EUR
00-1630-0500	500 g	140.-- EUR
00-1630-1000	1000 g	220.-- EUR

---

### **H-D-Trp-OH**

L-Tryptophan

CAS No.: 153-94-6

MW: 204.23

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2630-0025	25 g	100.-- EUR
00-2630-0100	100 g	300.-- EUR

---

### **Boc-L-Trp-OH**

N<sup>α</sup>-Boc-L-tryptophan

CAS No.: 13139-14-5

MW: 304.4

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1630-0025	25 g	45.--EUR
01-1630-0100	100 g	75.-- EUR
01-1630-0250	250 g	120.-- EUR

---

**Boc-D-Trp-OH**N<sup>α</sup>-Boc-D-tryptophan

CAS No.: 5241-64-5

HPLC purity &gt; 99.0 %

MW: 304.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2630-0025	25 g	110.-- EUR
01-2630-0100	100 g	325.-- EUR
01-2630-0250	250 g	700.-- EUR

---

**Boc-L-Trp(For)-OH**N<sup>α</sup>-Boc-N<sup>im</sup>-formyl-L-tryptophan

CAS No.: 47355-10-2

HPLC purity &gt; 99.0 %

MW: 332.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1632-0025	25 g	150.-- EUR
01-1632-0100	100 g	425.-- EUR

---

**Ddz-L-Trp-OH x DCHA**N<sup>α</sup>-Ddz-L-tryptophan x DCHA

CAS No.: n.a.

HPLC purity &gt; 98.0 %

MW: 426.5 x 181.3

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1635-0001	1 g	40.-- EUR
02-1635-0005	5 g	100.-- EUR
02-1635-0025	25 g	240.-- EUR

---

### **Ddz-D-Trp-OH x DCHA**

N<sup>α</sup>-Ddz-D-tryptophan x DCHA

CAS No.: n.a.

MW: 426.5 x 181.3

HPLC purity > 98.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
02-2635-0001	1 g	80.-- EUR
02-2635-0005	5 g	160.-- EUR
02-2635-0025	25 g	360.-- EUR

---

### **Fmoc-L-Trp-OH**

N<sup>α</sup>-Fmoc-L-tryptophan

CAS No.: 35737-15-6

MW: 426.5

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
03-1630-0025	25 g	75.-- EUR
03-1630-0100	100 g	200.-- EUR

---

### **Fmoc-D-Trp-OH**

N<sup>α</sup>-Fmoc-D-tryptophan

CAS No.: 86123-11-7

MW: 426.5

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
03-2630-0005	5 g	95.-- EUR
03-2630-0025	25 g	325.-- EUR

---



### **Fmoc-L-Trp(Boc)-OH**

N<sup>α</sup>-Fmoc-N<sup>im</sup>-Boc-L-tryptophan

CAS No.: 143824-78-6      MW: 526.6

HPLC purity > 97.0 %      Optical purity > 99.5 %

Bulk amounts available?      Yes

Ordering-No.:	Quantity	Price
03-1632-0005	5 g	25.-- EUR
03-1632-0025	25 g	100.-- EUR
03-1632-0100	100 g	235.-- EUR

---

### **Fmoc-D-Trp(Boc)-OH**

N<sup>α</sup>-Fmoc-N<sup>im</sup>-Boc -D-tryptophan

CAS No.: 163619-04-3      MW: 526.6

HPLC purity > 97.0 %      Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
03-2632-0005	5 g	100.-- EUR
03-2632-0025	25 g	400.-- EUR

---

### **H-L-Trp-OMe x HCl**

L-Tryptophan methyl ester hydrochloride

CAS No.: 7524-52-9      MW: 218.25 x 36.46

Purity > 99.0 %      Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
08-1630-0025	25 g	80.-- EUR
08-1630-0100	100 g	260.-- EUR

---

**H-D-Trp-OMe x HCl**

D-Tryptophan methyl ester hydrochloride

CAS No.: 14907-27-8

MW: 218.25 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1630-0005	5 g	60.-- EUR
08-1630-0025	25 g	180.-- EUR

---

**H-L-Trp-NH<sub>2</sub> x HCl**

L-Tryptophan amide hydrochloride

CAS No.: 5022-65-1

MW: 203.25 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
07-1635-0025	5 g	80.-- EUR
07-1635-0100	25 g	260.-- EUR

---

**Z-L-Trp-OH**N<sup>α</sup>-Z-L-tryptophan

CAS No.: 7432-21-5

MW: 338.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1630-0025	25 g	50.-- EUR
04-1630-0100	100 g	80.-- EUR

---

**Z-D-Trp-OH**N<sup>α</sup>-Z-D-tryptophan

CAS No.: 2279-15-4

HPLC purity &gt; 99.0 %

MW: 338.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-2630-0025	25 g	120.-- EUR
04-2630-0100	100 g	250.-- EUR

---

**Z-L-Trp-ONSu**N<sup>α</sup>-Z-L-tryptophanyloxy-N-succinimide

CAS No.: 50305-28-7

HPLC purity &gt; 99.0 %

MW: 435.4

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1630-0025	25 g	130.-- EUR
04-1630-0100	100 g	280.-- EUR

## Tyrosine

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### H-L-Tyr-OH

L-Tyrosine

CAS No.: 60-18-4

MW: 181.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1660-0100	100 g	35.-- EUR
00-1660-0500	500 g	80.-- EUR
00-1660-1000	1000 g	120.-- EUR

---

### H-D-Tyr-OH

D-Tyrosine

CAS No.: 556-02-5

MW: 181.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2660-0025	25 g	165.-- EUR
00-2660-0100	100 g	500.-- EUR

---

### Boc-L-Tyr-OH

Boc-L-tyrosine

CAS No.: 3978-80-1

MW: 281.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1660-0025	25 g	100.-- EUR
01-1660-0100	100 g	275.-- EUR

---

**Boc-L-Tyr(2-Br-Z)-OH**

Boc-O-2-bromo-Z-L-tyrosine

CAS No.: 47689-67-8

MW: 494.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1668-0025	25 g	90.-- EUR
01-1668-0100	100 g	325.-- EUR

---

**Boc-D-Tyr(2-Br-Z)-OH**

Boc-O-2-bromo-Z-D-tyrosine

CAS No.: 81189-61-9

MW: 494.3

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2668-0001	1 g	65.-- EUR
01-2668-0005	5 g	180.-- EUR

---

**Boc-L-Tyr(2-Br-Z)-ONSu**

Boc-O-2-Br-Z-L-tyrosyloxy-N-succinimide

CAS No.:

MW: 591.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1668-0005	5 g	60.-- EUR
01-1668-0025	25 g	240.-- EUR
01-1668-0100	100 g	800.-- EUR

---

**Boc-L-Tyr(Bzl)-OH**

Boc-O-benzyl-L-tyrosine

CAS No.: 2130-96-3

MW: 371.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
01-1666-0025	25 g	85.-- EUR
01-1666-0100	100 g	200.-- EUR

---

**Boc-L-Tyr(tBu)-OH**

Boc-O-t.butyl-L-tyrosine

CAS No.: 47375-34-8

MW: 337.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1662-0005	5 g	110.-- EUR
01-1662-0025	25 g	350.-- EUR

---

**Boc-L-Tyr(Et)-OH**

Boc-O-ethyl-L-tyrosine

CAS No.: 76757-91-0

MW: 309.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
01-1663-0001	1 g	40.-- EUR
01-1663-0005	5 g	160.-- EUR

---

**Boc-L-Tyr(Me)-OH**

Boc-O-methyl-L-tyrosine

CAS No.: 53267-93-9

MW: 295.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
01-1661-0005	5 g	125.-- EUR
01-1661-0025	25 g	500.-- EUR

---

**Boc-L-Tyr-OtBu**

Boc-L-tyrosine t.butyl ester

CAS No.:

MW: 337.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1664-0001	1 g	55.-- EUR
01-1664-0005	5 g	220.-- EUR

---

**Ddz-L-Tyr(tBu)-OH x CHA**

Ddz-O-t.butyl-L-tyrosine cyclohexylammonium salt

CAS No.: n.a.

MW: 460.54 \* 99.2

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1665-0001	1 g	80.-- EUR
02-1665-0005	5 g	270.-- EUR

---

**Ddz-D-Tyr(tBu)-OH x CHA**

Ddz-O-t.butyl-D-tyrosine cyclohexylammonium salt

CAS No.: n.a.

MW: 460.54 x 99.2

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1665-0001	1 g	120.-- EUR
02-1665-0005	5 g	350.-- EUR

---

**Fmoc-L-Tyr(tBu)-OH**

Fmoc-O-t.butyl-L-tyrosine

CAS No.: 71989-38-3

MW: 459.6

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1662-0025	25 g	45.-- EUR
03-1662-0100	100 g	100.-- EUR
03-1662-0250	250 g	200.-- EUR

---

**Fmoc-D-Tyr(tBu)-OH**

Fmoc-O-t.-butyl-D-tyrosine

CAS No.: 118488-18-9

MW: 459.6

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2662-0005	5 g	125.-- EUR
03-2662-0025	25 g	500.-- EUR

---

**Fmoc-L-Tyr(tBu)-OPfp**



**Fmoc-L-Tyr(tBu)-OPfp**

Fmoc-O-t.butyl-L-tyrosine pentafluorophenyl ester

CAS No.: 86060-93-7      MW: 625.6

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1664-0005	5 g	120.-- EUR
03-1664-0025	25 g	545.-- EUR

---

**Fmoc-L-Tyr(2-Br-Z)-OH**

Fmoc-O-2-bromo-Z-L-tyrosine

CAS No.: 1467688-40-2      MW: 616.5

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1668-0025	25 g	150.-- EUR
03-1668-0100	100 g	400.-- EUR

---

**Fmoc-L-Tyr(Me)-OH**

Fmoc-O-methyl-L-tyrosine

CAS No.: 77128-72-4      MW: 417.5

HPLC purity &gt; 99.0 %      Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1661-0005	5 g	125.-- EUR
03-1661-0025	25 g	500.-- EUR

---

**H-L-Tyr-NH<sub>2</sub> x HCl**

L-Tyrosine amide hydrochloride

CAS No.: 53559-18-5

MW: 180.26

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
07-1665-0005	5 g	65.-- EUR
07-1665-0025	25 g	200.-- EUR

---

**H-L-Tyr(Bzl)-OH**

O-Benzyl-L-tyrosine

CAS No.: 16652-64-5

MW: 271.3

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
06-1666-0005	5 g	50.-- EUR
06-1666-0025	25 g	160.-- EUR

---

**H-L-Tyr(Me)-OH**

O-Methyl-L-tyrosine

CAS No.: 6230-11-1

MW: 195.2

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1661-0005	5 g	80.-- EUR
08-1661-0025	25 g	240.-- EUR

---

**H-D-Tyr(Me)-OH**

O-Methyl-D-tyrosine

CAS No.: 39878-65-4

MW: 195.2

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-2661-0001	1 g	50.-- EUR
08-2661-0005	5 g	200.-- EUR

---

**H-D-Tyr-OMe x HCl**

D-Tyrosine methyl ester hydrochloride

CAS No.: 3728-20-9

MW: 195.25 \* 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-2662-0005	5 g	20.-- EUR
08-2662-0025	25 g	82.-- EUR

---

**H-L-Tyr-OMe x HCl**

L-Tyrosine methyl ester hydrochloride

CAS No.: 3417-91-2

MW: 195.25 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1662-0100	100 g	110.-- EUR
08-1662-0500	500 g	350.-- EUR

---

**H-D-Tyr(tBu)-OH**

O-t. Butyl-D-tyrosine

CAS No.: 186689-58-8

Purity &gt; 98.0 %

MW: 237.3

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
05-2662-0005	5 g	220.-- EUR
05-2662-0025	25 g	930.-- EUR

---

**H-L-Tyr(tBu)-OH**

O-t. Butyl-L-tyrosine

CAS No.: 18822-59-8

Purity &gt; 99.0 %

MW: 237.3

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
05-1662-0005	5 g	130.-- EUR
05-1662-0025	25 g	500.-- EUR

---

**H-L-Tyr-OtBu**

L-Tyrosine t.-butyl ester

CAS No.: 16874-12-7

Purity &gt; 99.0 %

MW: 237.3

Optical purity &gt; 99.5 %

---

Ordering-No.:	Quantity	Price
05-1664-0005	5 g	50.-- EUR
05-1664-0025	25 g	100.-- EUR
05-1664-0500	500 g	350.-- EUR
05-1664-1000	1000 g	650.-- EUR

---

### **H-D-Tyr-OtBu**

D-Tyrosine t.butyl ester

CAS No.: 87533-74-0

MW: 237.3

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
05-2664-0001	1 g	45.-- EUR
05-2664-0005	5 g	180.-- EUR

---

### **H-L-Tyr(tBu)-OtBu x HCl**

O-t.Butyl-L-tyrosine t.butyl ester hydrochloride

CAS No.: 17083-23-7

MW: 293.35 x 36.46

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
05-1667-0001	1 g	65.-- EUR
05-1667-0005	5 g	155.-- EUR
05-1667-0025	25 g	500.-- EUR

---

### **Z-L-Tyr-OH**

Benzyloxycarbonyl-L-tyrosine

CAS No.: 1164-16-5

MW: 315.33

HPLC purity > 98.0 %

Optical purity > 99.0 %

Ordering-No.:	Quantity	Price
04-1660-0005	5 g	25.—EUR
04-1660-0025	25 g	75.—EUR
04-1660-0005	100 g	150.—EUR

---

**Z-L-Tyr(tBu)-OH**

Z-O-t.butyl-L-tyrosine

CAS No.:

MW: 371.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1662-0005	5 g	75.—EUR
04-1662-0025	25 g	280.—EUR

**Z-L-Tyr(tBu)-OH x DCHA**

Z-O-t.butyl-L-tyrosine dicyclohexylammonium salt

CAS No.: 16879-90-6

MW: 371.4 x 181.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1665-0005	5 g	80.—EUR
04-1665-0025	25 g	275.—EUR

## Valine

---

### H-L-Val-OH

L-Valine

CAS No.: 72-18-4

MW: 117.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1690-0100	100 g	35.-- EUR
00-1690-0500	500 g	80.-- EUR
00-1690-1000	1000 g	120.-- EUR

---

### H-D-Val-OH

D-Valine

CAS No.: 640-68-6

MW: 117.2

Purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-2690-0025	25 g	100.-- EUR
00-2690-0100	100 g	275.-- EUR

---

### Boc-L-Val-OH

Boc-L-valine

CAS No.: 13734-41-3

MW: 217.3

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1690-0025	25 g	30.-- EUR
01-1690-0100	100 g	80.-- EUR
01-1690-0250	250 g	120.-- EUR
01-1690-1000	1000 g	260.-- EUR

**Boc-D-Val-OH**

Boc-D-valine

CAS No.: 22838-58-0

MW: 217.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-2690-0005	5 g	40.-- EUR
01-2690-0025	25 g	100.-- EUR
01-2690-0100	100 g	275.-- EUR

---

**Boc-L-Val-ONSu**

Boc- L-valyloxy-N-succinimide

CAS No.: 3392-12-9

MW: 314.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
01-1691-0025	25 g	100.-- EUR
01-1691-0100	100 g	275.-- EUR

---

**Ddz-L-Val-OH x CHA**

Ddz-L-valine cyclohexylammonium salt

MW: 339.4 x 99.2

HPLC purity &gt; 98.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
02-1695-0001	1 g	40.-- EUR
02-1695-0005	5 g	120.-- EUR
02-1695-0025	25 g	240.-- EUR

---



### **Fmoc-L-Val-OH**

Fmoc-L-valine

CAS No.: 68858-20-8

MW: 339.4

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
03-1690-0025	25 g	25.-- EUR
03-1690-0100	100 g	35.-- EUR
03-1690-0250	250 g	70.-- EUR

---

### **Fmoc-D-Val-OH**

Fmoc-D-valine

CAS No.: 84624-17-9

MW: 339.4

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
03-2690-0005	5 g	25.-- EUR
03-2690-0025	25 g	100.-- EUR
03-2690-0100	100 g	300.-- EUR

---

### **Fmoc-L-Val-OPfp**

Fmoc-L-valine pentafluorophenyl ester

CAS No.: 86060-87-9

MW: 505.4

HPLC purity > 99.0 %

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
03-1692-0005	5 g	55.-- EUR
03-1692-0025	25 g	220.-- EUR

---

**Fmoc-D-Val-OPfp**

Fmoc-D-valine pentafluorophenyl ester

CAS No.:

MW: 505.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-2692-0001	1 g	120.-- EUR
03-2692-0005	5 g	275.-- EUR

---

**H-L-Val-OAll x Tos**

L-Valine allyl ester tosylate

CAS No.: 88224-02-6

MW: 157.2 x 172.2

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1691-0001	1 g	45.-- EUR
08-1691-0005	5 g	195.-- EUR

---

**H-L-Val-OMe x HCl**

L-Valine methyl ester hydrochloride

CAS No.: 6306-52-1

MW: 131.15 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-1693-0025	25 g	65.-- EUR
08-1693-0100	100 g	175.-- EUR

---

**H-D-Val-OMe x HCl**

D-Valine methyl ester hydrochloride

CAS No.: 7146-15-8

MW: 131.15 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
08-2693-0005	5 g	65.-- EUR
08-2693-0025	25 g	200.-- EUR

---

**H-L-Val-OtBu x HCl**

L-Valine t.butyl ester hydrochloride

CAS No.: 13211-31-9

MW: 173.25 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-1694-0005	5 g	70.-- EUR
05-1694-0025	25 g	250.-- EUR

---

**H-D-Val-OtBu x HCl**

D-Valine t.butyl ester hydrochloride

CAS No.: 104944-18-5

MW: 173.25 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
05-2694-0005	5 g	70.-- EUR
05-2694-0025	25 g	290.-- EUR

---

**H-L-Val-NH<sub>2</sub> x HCl**

L-Valine amide hydrochloride

CAS No.: 3014-80-0

MW: 116.16 x 36.46

Purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
07-1695-0025	25 g	80.-- EUR
07-1695-0100	100 g	250.-- EUR

---

**Z-L-Val-OH**

Z-L-valine

CAS No.: 1149-26-4

MW: 251.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1690-0025	25 g	35.-- EUR
04-1690-0100	100 g	100.-- EUR

---

**Z-D-Val-OH**

Z-D-valine

CAS No.: 1685-33-2

MW: 251.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-2690-0005	5 g	65.-- EUR
04-2690-0025	25 g	250.-- EUR

## ***N-Methyl-Valine***

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### **H-L-N-Me-Val-OH**

N-Methyl-L-valine

CAS No.: 2566-32-7

TLC purity > 98.0 %

MW: 131,2

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
00-1692-0001	1 g	40.-- EUR
00-1692-0005	5 g	180.-- EUR

---

### **Boc-L-N-Me-Val-OH**

N<sup>α</sup>-Boc, N<sup>α</sup>-methyl-L-valine

CAS No.: 45170-31-8

HPLC purity > 99.0 %

MW: 231.3

Optical purity > 99.5 %

Ordering-No.:	Quantity	Price
01-1697-0001	1 g	45.-- EUR
01-1697-0005	5 g	125.-- EUR
01-1697-0025	25 g	475.-- EUR

---

**Fmoc-N-Me-Val-OH**N<sup>α</sup>-Fmoc, N<sup>α</sup>-methyl-L-valine

CAS No.: 84000-11-3

MW: 353.4

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
03-1697-0001	1 g	50.-- EUR
03-1697-0005	5 g	160.-- EUR
03-1697-0025	25 g	600.-- EUR

---

**Z-L-N-Me-Val-OH**N<sup>α</sup>-Z, N<sup>α</sup>-methyl-L-valine

CAS No.: 42417-65-2

MW: 265.3

HPLC purity &gt; 99.0 %

Optical purity &gt; 99.5 %

Ordering-No.:	Quantity	Price
04-1692-0001	1 g	50.-- EUR
04-1692-0005	5 g	200.-- EUR

## Coupling Agents

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### DCC

N,N-Dicyclohexylcarbodiimid

CAS No.: 538-75-0

MW: 206.3

purity > 98.0 %

Ordering-No.:	Quantity	Price
20-0035-0100	100 g	55.-- EUR
20-0035-0500	500 g	85.-- EUR
20-0035-1000	1000 g	120.-- EUR
20-0035-5000	5000 g	450.-- EUR

---

### HOBT x H<sub>2</sub>O

1-Hydroxybenzotriazol monohydrate

CAS No.: 123333-53-9

MW: 135.1 x 18

purity > 98.0 %

Ordering-No.:	Quantity	Price
20-0070-0100	100 g	30.-- EUR
20-0070-1000	1000 g	150.-- EUR

---

**Cl-HOBT**

6-Chloro-1-Hydroxybenzotriazol

CAS No.: 26198-19-6

MW: 169.57

purity &gt; 98.0 %

Ordering-No.:	Quantity	Price
20-0075-0100	100 g	90.-- EUR
20-0075-1000	1000 g	450.-- EUR

---

**HONSu**

N-Hydroxy-succinimide

CAS No.: 6066-82-6

MW: 115.09

purity &gt; 98.0 %

Ordering-No.:	Quantity	Price
20-0085-0100	100 g	40.-- EUR
20-0085-1000	1000 g	250.-- EUR

---

**TBTU**N,N,N',N'-Tetramethyl-O-(Benzotriazol-1-yl)-Uronium  
Tetrafluoroborate

CAS No.: 125700-67-6

MW: 321.1

purity &gt; 98.0 %

Ordering-No.:	Quantity	Price
20-0050-0025	100 g	50.-- EUR
20-0050-0100	1000 g	250.-- EUR

Com.: standard coupling agent for SPPS and LPPS

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**HBTU**

N,N,N',N'-Tetramethyl-O-(Benzotriazol-1-yl)-Uronium  
hexafluorophosphate

CAS No.: 94790-37-1

MW: 379.24

purity > 98.0 %

Ordering-No.:	Quantity	Price
20-0060-0025	100 g	50.-- EUR
20-0060-0100	1000 g	250.-- EUR

Com.: standard coupling agent for SPPS and LPPS

---

**DMAP**

4-(N,N-Dimethylamino)-pyridine

CAS No.: 1122-58-3

MW: 122.17

purity > 98.0 %

Ordering-No.:	Quantity	Price
20-0200-0100	100 g	75.-- EUR
20-0200-1000	1000 g	350.-- EUR

---

**PyBOP**

Benzotriazole-1-yl-oxy-tris-pyrrolidino-phosphonium  
hexafluorophosphate

CAS No.: 128625-52-5

MW: 520.4

purity > 98.0 %

Ordering-No.:	Quantity	Price
20-0200-0025	25 g	55.—EUR
20-0200-0100	100 g	170.—EUR

Com.: standard coupling agent for SPPS and LPPS

---

**TPOPT**

2,4,6-Tripropyl-1,3,5,2,4,6-trioxatriphosphorinan-2,4,6-  
trioxid

CAS No.: 68957-94-8

MW: 318,2

purity ~50 % in DMF

Ordering-No.:	Quantity	Price
20-0210-0025	25 ml	60.-- EUR
20-0210-0100	100 ml	200.-- EUR

Com.: Especially recommended for complex peptide  
cyclizations

## Protecting Group Agents

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### **Di-Boc , Boc<sub>2</sub>O**

Di-t.butyl-dicarbonate

CAS No.: 24424-99-5

MW: 218.3

purity > 99.0 %

Ordering-No.:	Quantity	Price
01-0001-0100	100 g	40.-- EUR
01-0001-0500	500 g	60.-- EUR
01-0001-1000	1000 g	80.-- EUR

---

### **Fmoc-ONSu**

9-Fluorenylmethoxycarbonyloxy-N-succinimide

CAS No.: 82911-69-1

MW: 337.34

purity > 99.0 %

Ordering-No.:	Quantity	Price
03-0072-0100	100 g	40.-- EUR
03-0072-0500	500 g	60.-- EUR
03-0072-1000	1000 g	80.-- EUR

---

**Z-ONSu**

Benzyloxycarbonyloxy-N-succinimide

CAS No.: 13139-17-8

MW:249.2

purity &gt; 99.0 %

Ordering-No.:	Quantity	Price
04-0072-0100	100 g	50.-- EUR
04-0072-0500	500 g	100.-- EUR
04-0072-1000	1000 g	250.-- EUR

---

**Ddz-phenyl-carbonate** $\alpha,\alpha$ -Dimethyl-3,5-dimethoxybenzyl-phenyl-carbonate

CAS No.: 39507-97-6

MW: 316.35

purity &gt; 95.0 %

Ordering-No.:	Quantity	Price
02-0002-0025	25 g	70.-- EUR
02-0002-0100	100 g	160.-- EUR

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# Peptides

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## **H-Ala-Gln-OH**

L-Alanyl-L-glutamine

CAS No.: 39537-23-0

MW: 217.2

HPLC purity > 98 %

Ordering-No.:	Quantity	Price
14-1012-0001	5 g	120.-- EUR
14-1012-0025	25 g	260.-- EUR
14-1012-0100	100 g	550.-- EUR

---

## **Ac-Ala-Gln-OH**

N-Acetyl-L-Alanyl-L-glutamine

CAS No.: 121574-43-4

MW: 259.34

HPLC purity > 98 %

Ordering-No.:	Quantity	Price
14-1013-0001	5 g	160.-- EUR
14-1013-0025	25 g	360.-- EUR
14-1013-0100	1000 g	2800.-- EUR

---

**Antamanide, cryst.**

Cyclo[Pro-Phe-Phe-Val-Pro-Pro-Ala-Phe-Phe-Pro]

CAS No.: 16898-32-1

MW: 1147.36

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-0010-0.025	25 mg	260.—EUR
14-0010-0.100	100 mg	590.—EUR
14-0010-1.000	1g	1200.-- EUR

---

**Boc-β-Ala-Lys(Boc)-OH**Boc-β-alanyl-L-lysine-N<sup>ε</sup>-Boc

CAS No.: n.a.

MW: 417.5

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-0032-0001	1 g	85.-- EUR
14-0032-0005	5 g	260.-- EUR
14-0032-0025	25 g	850.-- EUR

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**Boc-β-Ala-Trp-OH**

Boc-β-alanyl-tryptophan

CAS No.: n.a.

MW: 375.4

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-0021-0001	1 g	85.-- EUR
14-0021-0005	5 g	260.-- EUR

---

**Boc-β-Ala-Trp-OMe**

Boc-β-alanyl-tryptophan methyl ester

CAS No.: n.a.

MW: 389.45

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-0029-0001	1 g	55.-- EUR
14-0029-0005	5 g	180.-- EUR

---

**Boc-D-Phe-Pro-OH**

Boc-L-phenylalanyl-L-proline

CAS No.: n.a.

MW: 362.4

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-2510-0001	1 g	85.-- EUR
14-2510-0005	5 g	320.-- EUR

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**Boc-Gly-Sar-OH**

Boc-glycyl-sarcosine

CAS No.: n.a.

MW: 246.3

HPLC purity &gt; 99 %

Ordering-No.:	Quantity	Price
14-0271-0005	5 g	85.-- EUR
14-0271-0025	25 g	320.-- EUR

---

**Boc-Gly-Sar-OEt**

Boc-glycyl-sarcosine ethyl ester

CAS No.: n.a.

MW: 274.3

HPLC purity &gt; 99 %

Ordering-No.:	Quantity	Price
14-0272-0005	5 g	65.-- EUR
14-0272-0025	25 g	260.-- EUR
14-0272-0025	100 g	620.-- EUR

---

**Boc-Met-Asp-Phe-NH<sub>2</sub>**

Boc-L-methionyl-L-asparagyl-L-phenylalanine amide

CAS No.: n.a.

MW: 510.7

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-0031-0001	1 g	285.-- EUR
14-0031-0005	5 g	520.-- EUR

---

**Boc-Tetragastrine**Boc-Trp-Met-Asp-Phe-NH<sub>2</sub>

CAS No.: 5534-95-2

MW: 767.9

HPLC purity &gt; 97 %

Ordering-No.:	Quantity	Price
14-0019-0.025	25 mg	65.-- EUR
14-0019-0.100	100 mg	190.-- EUR
14-0019-0.250	250 mg	320.-- EUR

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**Tetragastrine**H-Trp-Met-Asp-Phe-NH<sub>2</sub>

CAS No.: n.a.

MW: 596.7

HPLC purity &gt; 97 %

Ordering-No.:	Quantity	Price
14-0030-0.025	25 mg	95.-- EUR
14-0030-0.100	100 mg	290.-- EUR
14-0030-0.250	250 mg	520.-- EUR

---

**[Gly1]-Pentagastrine**Boc-Gly-Trp-Met-Asp-Phe-NH<sub>2</sub>

CAS No.: 68957-94-8

MW: 753.9

HPLC purity &gt; 97 %

Ordering-No.:	Quantity	Price
14-0018-0.025	25 mg	90.-- EUR
14-0018-0.100	100 mg	250.-- EUR
14-0018-0.250	250 mg	485.-- EUR

---

**Pentagastrine**Boc-β-Ala-Trp-Met-Asp-Phe-NH<sub>2</sub>

CAS No.: 5534-95-2

MW: 767.9

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-0020-0025	25 mg	70.-- EUR
14-0020-0100	100 mg	210.-- EUR
14-0020-0250	250 mg	420.-- EUR
14-0020-0250	1 g	950.-- EUR

---

**Ddz-Trp-Pro-OMe**

Ddz-tryptophanyl-proline methyl ester

CAS No.: n.a.

MW: 537.96

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-0272-0005	5 g	65.-- EUR
14-0272-0025	25 g	560.-- EUR

---

**Triptoreline acetate**pGlu-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-Gly-NH<sub>2</sub>

x HOAc

CAS No.: 57773-63-4

MW: 1311.5 x 60

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-2001-0005	5 mg	70.-- EUR
14-2001-0025	25 mg	260.-- EUR
14-2001-0100	100 mg	590.-- EUR

---

**H-Trp-Pro-OH**

L-tryptophanyl-proline

CAS No.: 38136-75-3

MW: 301.4

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-1635-0005	5 g	220.-- EUR
14-1635-0025	25 g	715.-- EUR

---

**Z-Ser-Gly-OEt**

Z-L-seryl-glycin ethyl ester

CAS No.: n.a.

MW: 324.3

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-1574-0001	1 g	65.-- EUR
14-1574-0005	5 g	130.-- EUR
14-1574-0025	25 g	420.-- EUR

---

**Z-Thr-Gly-OEt**N<sup>α</sup>-Z-L-threonyl-glycin ethyl ester

CAS No.: n.a.

MW: 338.3

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-1604-0001	1 g	65.-- EUR
14-1604-0005	5 g	130.-- EUR
14-1604-0025	25 g	420.-- EUR

---

**Z-Trp-Trp-OH**N<sup>α</sup>-Z-L-tryptophanyl-tryptophan

CAS No.: 57850-17-6

MW: 524.6

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-1633-0001	1 g	105.-- EUR
14-1633-0005	5 g	420.-- EUR

---

**Z-Trp-Trp-OMe**N<sup>α</sup>-Z-L-tryptophanyl-tryptophan methyl ester

CAS No.: n.a.

MW: 538.6

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-1632-0001	1 g	95.-- EUR
14-1632-0005	5 g	320.-- EUR

---

**H-Val-Gly-OH x HCl**

L-Valyl-glycine hydrochloride

CAS No.: n.a.

MW: 174.2 x 36.45

HPLC purity &gt; 98 %

Ordering-No.:	Quantity	Price
14-1691-0001	1 g	65.-- EUR
14-1691-0005	5 g	220.-- EUR
14-1691-0025	25 g	520.-- EUR

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# Resins, Linkers and Preloaded Resins

## ***Amide MBHA Resins***

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100-200 mesh, loading varies depending on amino acid and batch. Loading range 0.4 – 0.9 mmol/g

### **Fmoc-Amide-MBHA Resin**

Ordering-No.:	Quantity	Price
90-0125-0005	5 g	75.-- EUR
90-0125-0025	25 g	225.-- EUR

---

### **Fmoc-Amide-Nle-MBHA Resin**

4-(2',4'-Dimethoxyphenyl)-Fmoc-aminomethylphenoxy acetic acid attached on spacer Norleucine MBHA resin,

Ordering-No.:	Quantity	Price
90-0126-0005	5 g	155.-- EUR
90-0126-0025	25 g	425.-- EUR

## ***Amide AM Resins***

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150-300 mesh, loading 0.9 – 1.3 mmol/g depending on amino acid and batch.

### **Fmoc-Rink-Amide-AM Resin**

Ordering-No.:	Quantity	Price
90-0127-0025	25 g	175.-- EUR
90-0127-0100	100 g	450.-- EUR
90-0127-1000	1000 g	750.-- EUR

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## **Linkers**

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### **Fmoc-Rink-Amide-linker , Knorr-linker**

Fmoc-2,4-dimethoxy-(carboxymethoxy)benzhydrylamine

Purity (HPLC) > 99%

Ordering-No.:	Quantity	Price
90-0025-0025	25 g	225.-- EUR
90-0025-0100	100 g	550.-- EUR
90-0025-1000	1000 g	1150.-- EUR

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## **Wang Resins**

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100-200 mesh, loading **0.4 – 0.9 mmol/g** depending on amino acid and batch.

### **Fmoc-L-Ala-Wang Resin**

Ordering-No.:	Quantity	Price
85-1030-0005	5 g	75.-- EUR
85-1030-0025	25 g	300.-- EUR

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### **Fmoc-D-Ala-Wang Resin**

Ordering-No.:	Quantity	Price
85-2030-0001	1 g	52.-- EUR
85-2030-0005	5 g	195.-- EUR
85-2030-0025	25 g	690.-- EUR

---

### **Fmoc- $\beta$ -Ala-Wang Resin**

Ordering-No.:	Quantity	Price
85-0060-0001	1 g	40.-- EUR
85-0060-0005	5 g	140.-- EUR
85-0060-0025	25 g	560.-- EUR

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### **Fmoc-L-Arg(Pbf)-Wang Resin**

Ordering-No.:	Quantity	Price
85-1092-0001	1 g	70.-- EUR
85-1092-0005	5 g	275.-- EUR
85-1092-0025	25 g	1075.-- EUR

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### **Fmoc-D-Arg(Pbf)-Wang Resin**

Ordering-No.:	Quantity	Price
85-2092-0001	1 g	110.-- EUR
85-2092-0005	5 g	445.-- EUR

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### **Fmoc-L-Asn(Trt)-Wang Resin**

Ordering-No.:	Quantity	Price
85-1122-0001	1 g	50.-- EUR
85-1122-0005	5 g	220.-- EUR
85-1122-0025	25 g	825.-- EUR

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### **Fmoc-D-Asn(Trt)-Wang Resin**

Ordering-No.:	Quantity	Price
85-2122-0001	1 g	110.-- EUR
85-2122-0005	5 g	420.-- EUR

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### **Fmoc-L-Asp(OtBu)-Wang Resin**

Ordering-No.:	Quantity	Price
85-1152-0001	1 g	35.-- EUR
85-1152-0005	5 g	135.-- EUR
85-1152-0025	25 g	495.-- EUR

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### **Fmoc-D-Asp(OtBu)-Wang Resin**

Ordering-No.:	Quantity	Price
85-2152-0001	1 g	110.-- EUR
85-2152-0005	5 g	420.-- EUR

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### **Fmoc-L-Asp(O-Wang Resin)-OtBu**

Ordering-No.:	Quantity	Price
85-1154-0001	1 g	70.-- EUR
85-1154-0005	5 g	285.-- EUR
85-1154-0025	25 g	1140.-- EUR

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### **Fmoc-D-Asp(O-Wang Resin)-OtBu**

Ordering-No.:	Quantity	Price
85-2154-0001	1 g	220.-- EUR
85-2154-0005	5 g	895.-- EUR

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### **Fmoc-L-Asp(O-Wang Resin)-OAll**

Ordering-No.:	Quantity	Price
85-1159-0001	1 g	75.-- EUR
85-1159-0005	5 g	295.-- EUR
85-1159-0025	25 g	1175.-- EUR

---

### **Fmoc-D-Asp(O-Wang Resin)-OAll**

Ordering-No.:	Quantity	Price
85-2159-0001	1 g	165.-- EUR
85-2159-0005	5 g	640.-- EUR

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### **Fmoc-L-Cys(Acm)-Wang Resin**

Ordering-No.:	Quantity	Price
85-1182-0001	1 g	35.-- EUR
85-1182-0005	5 g	140.-- EUR
85-1182-0025	25 g	560.-- EUR

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### **Fmoc-L-Cys(Trt)-Wang Resin**

Ordering-No.:	Quantity	Price
85-1192-0001	1 g	50.-- EUR
85-1192-0005	5 g	195.-- EUR
85-1192-0025	25 g	775.-- EUR

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### **Fmoc-L-Gln(Trt)-Wang Resin**

Ordering-No.:	Quantity	Price
85-1212-0001	1 g	70.-- EUR
85-1212-0005	5 g	265.-- EUR
85-1212-0025	25 g	845.-- EUR

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### **Fmoc-D-Gln(Trt)-Wang Resin**

Ordering-No.:	Quantity	Price
85-2212-0001	1 g	120.-- EUR
85-2212-0005	5 g	475.-- EUR

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### **Fmoc-L-Glu(OtBu)-Wang Resin**

Ordering-No.:	Quantity	Price
85-1242-0001	1 g	35.-- EUR
85-1242-0005	5 g	135.-- EUR
85-1242-0025	25 g	495.-- EUR

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### **Fmoc-D-Glu(OtBu)-Wang Resin**

Ordering-No.:	Quantity	Price
85-2242-0001	1 g	110.-- EUR
85-2242-0005	5 g	420.-- EUR

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### **Fmoc-L-Glu(O-Wang resin)-OtBu**

Ordering-No.:	Quantity	Price
85-1244-0001	1 g	70.-- EUR
85-1244-0005	5 g	285.-- EUR
85-1244-0025	25 g	1140.-- EUR

---

### **Fmoc-D-Glu(O-Wang resin)-OtBu**

Ordering-No.:	Quantity	Price
85-2244-0001	1 g	165.-- EUR
85-2244-0005	5 g	640.-- EUR

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### **Fmoc-L-Glu(O-Wang resin)-OAll**

Ordering-No.:	Quantity	Price
85-1249-0001	1 g	75.-- EUR
85-1249-0005	5 g	295.-- EUR
85-1249-0025	25 g	1175.-- EUR

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### **Fmoc-D-Glu(O-Wang resin)-OAll**

Ordering-No.:	Quantity	Price
85-2249-0001	1 g	165.-- EUR
85-2249-0005	5 g	640.-- EUR

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### **Fmoc-Gly-Wang Resin**

Ordering-No.:	Quantity	Price
85-0270-0005	5 g	70.-- EUR
85-0270-0025	25 g	295.-- EUR

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### **Fmoc-L-Ile-Wang Resin**

Ordering-No.:	Quantity	Price
85-1360-0005	5 g	70.-- EUR
85-1360-0025	25 g	295.-- EUR

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### **Fmoc-D-Ile-Wang Resin**

Ordering-No.:	Quantity	Price
85-2360-0001	1 g	70.-- EUR
85-2360-0005	5 g	295.-- EUR

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### **Fmoc-L-Leu-Wang Resin**

Ordering-No.:	Quantity	Price
85-1390-0005	5 g	70.-- EUR
85-1390-0025	25 g	295.-- EUR

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### **Fmoc-D-Leu-Wang Resin**

Ordering-No.:	Quantity	Price
85-2390-0001	1 g	65.-- EUR
85-2390-0005	5 g	250.-- EUR
85-2390-0025	25 g	875.-- EUR

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### **Fmoc-L-Lys(Boc)-Wang Resin**

Ordering-No.:	Quantity	Price
85-1422-0001	1 g	35.-- EUR
85-1422-0005	5 g	140.-- EUR
85-1422-0025	25 g	560.-- EUR

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### **Fmoc-D-Lys(Boc)-Wang Resin**

Ordering-No.:	Quantity	Price
85-2422-0001	1 g	110.-- EUR
85-2422-0005	5 g	445.-- EUR

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### **Fmoc-L-Met-Wang Resin**

Ordering-No.:	Quantity	Price
85-1450-0005	5 g	70.-- EUR
85-1450-0025	25 g	295.-- EUR

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### **Fmoc-D-Met-Wang Resin**

Ordering-No.:	Quantity	Price
85-2450-0001	1 g	70.-- EUR
85-2450-0005	5 g	275.-- EUR

---

### **Fmoc-L-Orn(Boc)-Wang Resin**

Ordering-No.:	Quantity	Price
85-1482-0001	1 g	75.-- EUR
85-1482-0005	5 g	295.-- EUR
85-1482-0025	25 g	1175.-- EUR

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### **Fmoc-D-Orn(Boc)-Wang Resin**

Ordering-No.:	Quantity	Price
85-2482-0001	1 g	125.-- EUR
85-2482-0005	5 g	675.-- EUR

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### **Fmoc-L-Phe-Wang Resin**

Ordering-No.:	Quantity	Price
85-1510-0005	5 g	70.-- EUR
85-1510-0025	25 g	295.-- EUR

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### **Fmoc-D-Phe-Wang Resin**

Ordering-No.:	Quantity	Price
85-2510-0001	1 g	80.-- EUR
85-2510-0005	5 g	345.-- EUR

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### **Fmoc-L-Pro-Wang Resin**

Ordering-No.:	Quantity	Price
85-1541-0005	5 g	70.-- EUR
85-1541-0025	25 g	295.-- EUR

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### **Fmoc-D-Pro-Wang Resin**

Ordering-No.:	Quantity	Price
85-2541-0001	1 g	95.-- EUR
85-2541-0005	5 g	375.-- EUR

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### **Fmoc-L-Ser(tBu)-Wang Resin**

Ordering-No.:	Quantity	Price
85-1572-0001	1 g	35.-- EUR
85-1572-0005	5 g	145.-- EUR
85-1572-0025	25 g	575.-- EUR

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### **Fmoc-D-Ser(tBu)-Wang Resin**

Ordering-No.:	Quantity	Price
85-2572-0001	1 g	110.-- EUR
85-2572-0005	5 g	445.-- EUR

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### **Fmoc-L-Thr(tBu)-Wang Resin**

Ordering-No.:	Quantity	Price
85-1602-0001	1 g	35.-- EUR
85-1602-0005	5 g	145.-- EUR
85-1602-0025	25 g	575.-- EUR

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### **Fmoc-D-Thr(tBu)-Wang Resin**

Ordering-No.:	Quantity	Price
85-2602-0001	1 g	125.-- EUR
85-2602-0005	5 g	505.-- EUR

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### **Fmoc-L-Trp(Boc)-Wang Resin**

Ordering-No.:	Quantity	Price
85-1632-0001	1 g	70.-- EUR
85-1632-0005	5 g	275.-- EUR
85-1632-0025	25 g	1140.-- EUR

---

### **Fmoc-D-Trp(Boc)-Wang Resin**

Ordering-No.:	Quantity	Price
85-2632-0001	1 g	110.-- EUR
85-2632-0005	5 g	445.-- EUR

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### **Fmoc-L-Tyr(tBu)-Wang Resin**

Ordering-No.:	Quantity	Price
85-1662-0001	1 g	35.-- EUR
85-1662-0005	5 g	145.-- EUR
85-1662-0025	25 g	575.-- EUR

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### **Fmoc-D-Tyr(tBu)-Wang Resin**

Ordering-No.:	Quantity	Price
85-2662-0001	1 g	125.-- EUR
85-2662-0005	5 g	505.-- EUR

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### **Fmoc-L-Val-Wang Resin**

Ordering-No.:	Quantity	Price
85-1690-0005	5 g	70.-- EUR
85-1690-0025	25 g	295.-- EUR

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### **Fmoc-D-Val-Wang Resin**

Ordering-No.:	Quantity	Price
85-2690-0001	1 g	85.-- EUR
85-2690-0005	5 g	345.-- EUR

## **2-Cl-Trt-Resins**

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100-200 mesh, loading **0.3 – 0.9 mmol/g** depending on amino acid and batch.

### **2-Cl-Trt-chloride Resin**

Unloaded resin

Ordering-No.:	Quantity	Price
84-0001-0025	25 g	100.-- EUR
84-0001-0100	100 g	200.-- EUR

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### **H-L-Ala-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1030-0005	5 g	40.-- EUR
84-1030-0025	25 g	160.-- EUR

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### **H-D-Ala-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-2030-0005	5 g	150.-- EUR
84-2030-0025	25 g	600.-- EUR

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### **H-L-Arg(Pbf)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1092-0005	5 g	125.-- EUR
84-1092-0025	25 g	500.-- EUR

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### **H-D-Arg(Pbf)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-2092-0005	5 g	300.-- EUR
84-2092-0025	25 g	1200.-- EUR

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### **H-L-Asn(Trt)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1122-0005	5 g	70.-- EUR
84-1122-0025	25 g	280.-- EUR

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### **H-L-Asp(OtBu)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1152-0005	5 g	70.-- EUR
84-1152-0025	25 g	280.-- EUR

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### **H-D-Asp(OtBu)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-2152-0005	5 g	200.-- EUR
84-2152-0025	25 g	800.-- EUR

---

### **H-L-Cys(Acm)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1182-0005	5 g	90.-- EUR
84-1182-0025	25 g	375.-- EUR

---

### **H-L-Cys(Trt)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1192-0005	5 g	70.-- EUR
84-1192-0025	25 g	280.-- EUR

---

### **H-L-Gln(Trt)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1212-0005	5 g	70.-- EUR
84-1212-0025	25 g	280.-- EUR

---

### **H-L-Glu(OtBu)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1242-0005	5 g	70.-- EUR
84-1242-0025	25 g	280.-- EUR

---

### **H-D-Glu(OtBu)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-2242-0005	5 g	200.-- EUR
84-2242-0025	25 g	800.-- EUR

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### **H-L-Glu(OBzl)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1246-0001	1 g	90.-- EUR
84-1246-0005	5 g	350.-- EUR

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### **H-Gly-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-0270-0005	5 g	40.-- EUR
84-0270-0025	25 g	160.-- EUR

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### **H-L-His(Trt)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1302-0005	5 g	70.-- EUR
84-1302-0025	25 g	280.-- EUR

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### **Fmoc-L-His(Trt)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1303-0001	1 g	120.-- EUR
84-1303-0005	5 g	450.-- EUR

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### **H-L-Ile-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1360-0005	5 g	40.-- EUR
84-1360-0025	25 g	160.-- EUR

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### **H-L-Leu-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1390-0005	5 g	40.-- EUR
84-1390-0025	25 g	160.-- EUR

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### **H-D-Leu-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-2390-0005	5 g	150.-- EUR
84-2390-0025	25 g	600.-- EUR

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### **H-L-Lys(Boc)-2-Cl-Trt Resin**

Ordering-No.:	Quantity	Price
84-1422-0005	5 g	70.-- EUR
84-1422-0025	25 g	280.-- EUR

---

### **H-D-Lys(Boc)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-2422-0005	5 g	200.-- EUR
84-2422-0025	25 g	800.-- EUR

---

### **H-L-Met-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1450-0005	5 g	40.-- EUR
84-1450-0025	25 g	160.-- EUR

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### **H-D-Met-2-Cl-Trt Resin**

Ordering-No.:	Quantity	Price
84-2450-0005	5 g	150.-- EUR
84-2450-0025	25 g	600.-- EUR

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### **Fmoc-L-Nle-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1470-0005	5 g	180.-- EUR
84-1470-0025	25 g	750.-- EUR

---

### **H-L-Orn(Boc)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1482-0005	5 g	150.-- EUR
84-1482-0025	25 g	600.-- EUR

---

### **H-L-Phe-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1510-0005	5 g	40.-- EUR
84-1510-0025	25 g	160.-- EUR

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### **H-D-Phe-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-2510-0005	5 g	150.-- EUR
84-2510-0025	25 g	600.-- EUR

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### **H-L-Pro-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1540-0005	5 g	40.-- EUR
84-1540-0025	25 g	160.-- EUR

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### **H-D-Pro-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-2540-0005	5 g	250.-- EUR
84-2540-0025	25 g	900.-- EUR

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### **H-L-Ser(tBu)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1572-0005	5 g	70.-- EUR
84-1572-0025	25 g	280.-- EUR

---

### **H-D-Ser(tBu)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-2572-0005	5 g	200.-- EUR
84-2572-0025	25 g	800.-- EUR

---

### **H-L-Thr(tBu)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1602-0005	5 g	70.-- EUR
84-1602-0025	25 g	280.-- EUR

---

### **H-D-Thr(tBu)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-2602-0005	5 g	200.-- EUR
84-2602-0025	25 g	800.-- EUR

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### **H-L-Trp(Boc)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1632-0005	5 g	70.-- EUR
84-1632-0025	25 g	280.-- EUR

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### **H-D-Trp(Boc)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-2632-0005	5 g	300.-- EUR
84-2632-0025	25 g	1200.-- EUR

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### **H-L-Tyr(tBu)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1662-0005	5 g	70.-- EUR
84-1662-0025	25 g	280.-- EUR

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### **H-D-Tyr(tBu)-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-2662-0005	5 g	200.-- EUR
84-2662-0025	25 g	800.-- EUR

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### **H-L-Val-2-Cl-Trt-Resin**

Ordering-No.:	Quantity	Price
84-1690-0005	5 g	40.-- EUR
84-1690-0025	25 g	160.-- EUR

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## H-D-Val-2-Cl-Trt-Resin

Ordering-No.:	Quantity	Price
84-2690-0005	5 g	150.-- EUR
84-2690-0025	25 g	600.-- EUR

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## ***Services and Custom Synthesis***

### **Tailored Solutions**

No peptide is like another - and each customer has different needs. Our scientists work closely together with you to ensure that every aspect of your project is well understood and properly implemented. We accompany you from the mg scale feasibility study up to kg productions. Even though we specialize in peptides, our experts are also experienced in other chemical fields.

### **Vertical Integration**

Our manufacturing capacity for amino acid derivatives gives you outstanding flexibility in your protecting group strategies and independence from other than OPC external suppliers. If your project depends on the use of unusual amino acid derivatives not available on the market in the appropriate quantities, we will set up a production line for you.

### **Peptide synthesis**

We perform solid phase peptide synthesis (SPPS) in up to multiple kg reactors and synthesis in solution up to 800 liters volume. We offer you a broad experience in the use of all kinds of resins, protecting group strategies and deprotection/coupling methods. Cleavage is safely handled from small to large scale using various cleavage cocktails. ORPEGEN Peptide Chemicals had invested significant time and resources into the continuous improvement of synthesis methodology to make synthesis faster and crude peptides easier to purify.

## **Purification**

We optimize all purification steps of your project to give maximum yield and purity - and we pass on the resulting cost reduction to our customers. Our purification services include among others:

- HPLC
- Ion exchange
- Extraction / crystallization
- customized solid/mobile phase solutions

## **Analytical services**

Customers are also invited to make use of our analytical know-how and capacities. Please contact us with any analytical problem that needs to be solved!

**Please contact us, we will be happy to send you a quotation tailored to your personal needs and preferences!**



## Abbreviations

$\beta$ -Ala	$\beta$ -Alanine, 3-Aminopropionic acid
Ac	Acetyl
Acm	Acetamidomethyl
AcOH	Acetic acid
Aib	$\alpha$ -Aminoisobutyric acid
Ala	Alanine
All	Allyl
Alloc	Allyloxycarbonyl
Arg	Arginine
Asn	Asparagine
Asp	Aspartic acid
Boc	tert. Butoxycarbonyl
Bz	Benzoyl
Bzl	Benzyl
CBZ	Carbobenzoxy = Benzyloxycarbonyl = Z
cHx	Cyclohexyl
Cys	Cysteine
CHA	Cyclohexylamine
DCHA	Dicyclohexylamine
Ddz	$\alpha,\alpha$ -Dimethyl-3,5-dimethoxy-benzyloxycarbonyl-
Et	Ethyl
Fmoc	9-Fluorenylmethoxycarbonyl
For	Formyl
GABA	Gamma-Aminobutyric acid
Gln	Glutamine
Glu	Glutamic acid
Gly	Glycine
His	Histidine
HONSu	N-Hydroxysuccinimide
HOBT	N-Hydroxybenzotriazol
Hyp	Hydroxyproline

Ile	Isoleucine
Leu	Leucine
Lys	Lysine
Me	Methyl
MeO	Methoxy
Met	Methionine
Nle	Norleucine
Nva	Norvaline
OEt	Ethoxy
OPfp	Pentafluorophenyl ester
Orn	Ornithine
OSu	N-Hydroxysuccinimide ester
Pbf	2,2,4,6,7-Pentamethyldihydro-benzofuran-5-sulfonyl
Phe	Phenylalanine
Phg	Phenylglycine
Pro	Proline
Pyr	Pyroglutamic acid
Ser	Serine
tBu	tert. Butyl
t.	Tertiär
Tfa	Trifluoroacetyl
Thr	Threonine
Tic	1,2,3,4-Tetrahydroisoquinoline-3-carboxylic acid
Tos	Tosyl
Trp	Tryptophane
Trt	Trityl
Tyr	Tyrosine
Val	Valine
Xan	Xanthyl
Z	Benzyloxycarbonyl

# General Terms of Business

## § 1 Scope of application and validity

- 1.1 Any and all orders are based on ORPEGEN Peptide Chemicals' written order confirmation in conjunction with the following Terms of Business. By placing an order, customers acknowledge these General Terms of Business. Subsidiary verbal agreements shall not be valid. These Terms of Business shall also apply to any subsequent orders.
- 1.2 We hereby expressly object to any terms of business of our customers. Nor can these bind ORPEGEN Peptide Chemicals in cases where ORPEGEN Peptide Chemicals has not objected once again at the time of execution of contract. Divergent terms of business of customers require express acceptance to become valid. Such an acceptance is effective for the individual case in question only.
- 1.3 Any and all verbal Statements made by our representatives as well as agreements entered into and orders taken by these representatives require ORPEGEN Peptide Chemicals' written confirmation in order to become valid.

## § 2 Quotations

- 2.1 Quotations are based on the documents provided by the relevant customer and are limited in time. Changes as to these documents lead to a change in the quotation.
- 2.2 The nature and scope of our deliveries and performance as well as the subject matter of the order may be defined as binding in the written order confirmation with our customer. Contract research is carried out on behalf of the customer exclusively.
- 2.3 Individual prices are invariably decisive even if the quotation specifies a total price. As all prices are based on the prime cost agreed at the time of conclusion of contract, we reserve the right to recalculate prices in cases of increased prime cost due for example to a rise in wages or material prices or fluctuations of currency.

### **§ 3 Remuneration**

- 3.1 Remuneration shall be agreed on the basis of each order.
- 3.2 Apart from its remuneration, ORPEGEN Peptide Chemicals GmbH shall be entitled to reimbursement of its expenses. Value added tax is calculated separately. ORPEGEN Peptide Chemicals GmbH may demand appropriate advanced payments on account of remuneration and reimbursement of expenses.
- 3.3 Should any performance exceed the research subject specified in the quotation in accordance with § 2, it shall be settled in line with ORPEGEN Peptide Chemicals' prices for consulting performance valid at the time.

### **§ 4 Terms of payment**

- 4.1 Payments shall be effected without deduction immediately after the relevant invoice has been issued.
- 4.2 In the event of delayed payments, ORPEGEN Peptide Chemicals shall be entitled to demand interest; in the case of merchants as from the day of maturity, in the case of non-merchants interest on arrears as from the day of receipt of the first reminder. This maturity interest or interest on arrears amounts to 1 % per month plus relevant value-added tax.
- 4.3 In the event of delayed payment by its customer, ORPEGEN Peptide Chemicals, after fruitless expiration of an appropriate final deadline, shall be entitled to withdraw from all existing contracts. In such a case, ORPEGEN Peptide Chemicals reserves the right to demand damages from its customer. Without having fixed a final deadline ORPEGEN Peptide Chemicals shall be entitled to these rights in the event of a fundamental deterioration in its customer's financial circumstances unless the latter, upon request and at the option of ORPEGEN Peptide Chemicals, is ready to immediately provide either sufficient security, advanced or concurrent payment.
- 4.4 In case of large scale orders the following mode of payment applies if nothing else has been agreed in ORPEGEN Peptide GmbH order confirmation:

50% of the price as soon as the order has been confirmed, and 50 % immediately upon receipt of the product and balance invoice.

## **§5 Set-off**

The customer is entitled to set off only in so far as the Claim he is setting off has undisputedly or legally been recognized. He is not entitled to exercise any right of retention.

## **§ 6 Liability as to order deadlines**

- 6.1 Should any binding agreed order deadline not be observed, customers shall be entitled to fix a final deadline for ORPEGEN Peptide Chemicals GmbH in writing.
- 6.2 ORPEGEN Peptide Chemicals shall be liable after expiry of the final deadline, irrespective of the legal ground, only for foreseeable and contract-typical property and personal damage as well as personal injuries excluding any and all consequential and pecuniary loss. The extent of compensation for damage shall be limited to the value of the total order.

## **§ 7 Force majeure**

Events of force majeure, operational breakdowns, shortages of raw materials, energy, or manpower, strikes, Lockouts, and other unforeseeable events, no matter whether they occur on the side of ORPEGEN Peptide Chemicals or its suppliers, discharge ORPEGEN Peptide Chemicals from its contractual obligation for the duration of the disturbance and to the extent of its effect plus an appropriate re-commissioning period.

## **§ 8 The customer's duty to co-operate**

- 8.1 Customers must ensure that all documents necessary for carrying out the order are submitted to ORPEGEN Peptide Chemicals in good time, without being especially requested by the latter to do so, and inform ORPEGEN Peptide Chemicals of any and all occurrences and circumstances which may be relevant in connection with carrying out the Order.

- 8.2 Customers shall instruct ORPEGEN Peptide Chemicals particularly about hazards that might be connected with the substances to be examined, about existing public and corporate security standards and related protected corporate interests which ORPEGEN Peptide Chemicals must observe while carrying out the order.

## **§ 9 Protection of work and research results**

- 9.1 Isolated, modified, or synthesised substances produced as the goal of the order will be sent to the customer as provided in the order together with the research report. ORPEGEN Peptide Chemicals shall guarantee confidentiality in connection with research results.
- 9.2 Customers guarantee and warrant that they will use any opinion, draft, drawing, and advice given or produced by ORPEGEN Peptide Chemicals within the framework of an order for their own purposes only.
- 9.3 Possible author's copyrights in results are the property of ORPEGEN Peptide Chemicals exclusively. The publication of ORPEGEN Peptide Chemicals' research results and each other form of dissemination of these results or parts thereof (e.g. by way of quotation in advertising) through the customer shall only be permitted with ORPEGEN Peptide Chemicals' prior written consent.
- 9.4 Any research result compiled by ORPEGEN Peptide Chemicals may be published scientifically by the customer only or on his behalf. Any text for any form of scientific publication for any type of medium shall be agreed in writing with ORPEGEN Peptide Chemicals. The latter designates the principal author, the customer designates co-authors. ORPEGEN Peptide Chemicals must be credited with being the originator of research results.
- Deviations from authorship provisions are possible, but must be agreed in writing. Basically, ORPEGEN Peptide Chemicals offers to assume responsibility for each scientific publication in each medium. Should ORPEGEN Peptide Chemicals be commissioned to publish results, this performance shall be remunerated separately by the customer in addition to the research order.

## **§ 10 Warranty**

ORPEGEN Peptide Chemicals guarantees and warrants the quality of its products according to accompanying analysis certificates within the framework of ORPEGEN Peptide Chemicals' specification. This specification is based on the analytical methods and procedures of ORPEGEN Peptide Chemicals.

## **§ 11 Remedy of defects and liability**

11.1 Customers shall immediately, not later, however, than within a period of 30 days from receipt of delivery or completion of performance examine the same as to possible defects and give a notification of defect to ORPEGEN Peptide Chemicals within the same term in writing. Otherwise, customers will lose warranty rights. In so far as it is about a hidden defect, the following, apart from the time limit for claims commencing on the date of detection, applies:

Notifications of defect are no longer permissible as soon as a re-examination of the delivery or performance under objection is no longer possible. All warranty claims become statute-barred one month after written repudiation of the notification of defect at the latest. Apart from that, relevant statutory limitation rules apply.

In founded cases, our liability shall be restricted to the replacement of products delivered by us. We reject any liability for damages caused by improper storage or treatment. Nor can we accept damage claims due to delayed or unexecuted delivery by forwarders. Each cancellation requires our consent. We reserve the right to charge a fee for taking back and second analyses when goods are returned due to erroneous orders.

11.2 ORPEGEN Peptide Chemicals shall carry out research work using its equipment, methods, and knowledge and employing any proper care it deems necessary for achieving the goal of the order in keeping with the latest scientific developments. However, ORPEGEN Peptide Chemicals shall not warrant or be liable for the full achievement of the initially defined order goal. If the order goal cannot or only partially be achieved for reasons ORPEGEN Peptide Chemicals is not answerable for or if the customer subse-

quently changes the scope of the order, the latter shall not be entitled to reduce the remuneration agreed.

- 11.3 The correctness of all results presented in the research report is warranted in accordance with the state of scientific research at that time. Any consequential liability of ORPEGEN Peptide Chemicals from further exploitation of research results by the customer shall be excluded.
- 11.4 ORPEGEN Peptide Chemicals shall be liable for damages, irrespective of the legal ground, under § 6 only.
- 11.5 Should the claim for compensation für damage asserted be rejected in writing, the claim for damages will lapse if no action has been instituted within 6 months from this written rejection. The customer's right to lodge an objection against a bar to the Claim for damages due to lapse of time stays unaffected.

## **§ 12 Storage of samples**

If nothing else has been agreed in writing, samples provided by customers for examination purposes shall be stored with ORPEGEN Peptide Chemicals for a maximum of three months in so far as their condition permits such keeping. After this period, the samples, at ORPEGEN Peptide Chemicals' option, will be destroyed by the latter or returned to the customer for disposal. Such returns of samples are charged to the customer.

ORPEGEN Peptide Chemicals retains retention samples of batch product delivery for ten years.

## **§ 13 Confidentiality**

- 13.1 ORPEGEN Peptide Chemicals is obliged to make the subject matter and all results produced in connection with the order available to the customer and to refrain, without consent of the latter, from publishing or disclosing them to third parties.
- 13.2 Should the handling of a customers order lead to independent inventions by ORPEGEN Peptide Chemicals, the cus-



tomer, when applying for a patent, shall allow for ORPEGEN Peptide Chemicals as the inventor. ORPEGEN Peptide Chemicals agrees to transfer such inventor's rights to the customer against a fee to be negotiated separately or continuous payment of a compensation for use.

#### **§ 14 Governing law, place of performance, legal venue**

Any contract and all performance and matters connected with it shall be governed exclusively by the laws of the Federal Republic of Germany. The place of performance and legal venue shall be Heidelberg, Germany.

#### **§ 15 Partial invalidity**

Should individual provisions of these business terms, wholly or in part be legally invalid or impractical or lose their validity or practicability later on, this will not affect the validity of the remainder of provisions. In such a case, relevant statutory provisions shall apply as a Supplement.