

# UNUSUAL FMOC $\alpha$ -AMINO ACIDS BACHEM

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### $\beta$ -Substituted Alanines

Fmoc- $\beta$ -cyclohexyl-Ala-OH (Fmoc-Cha-OH)	4018171
Fmoc- $\beta$ -cyclohexyl-D-Ala-OH	4025331
Fmoc- $\beta$ -cyclopropyl-Ala-OH	4027349
Fmoc- $\beta$ -cyclopropyl-D-Ala-OH	4029073
Fmoc- $\beta$ , $\beta$ -diphenyl-Ala-OH (Fmoc-Dip-OH)	4030246

### allo-Isoleucine (alle), allo-Threonine (aThr)

Fmoc- <i>allo</i> -Ile-OH	4026721
Fmoc-D- <i>allo</i> -Ile-OH	4018803
Fmoc- <i>allo</i> -Thr-OH	4027556
Fmoc-D- <i>allo</i> -Thr-OH	4027554
Fmoc- <i>allo</i> -Thr(tBu)-OH	4016123
Fmoc-D- <i>allo</i> -Thr(tBu)-OH	4033844

### Allyl- and Propargylglycine (Pra)

Fmoc- $\alpha$ -allyl-Gly-OH	4074454
Fmoc- $\alpha$ -allyl-D-Gly-OH	4074455
Fmoc- $\alpha$ -allyl-DL-Gly-OH	4028521
Fmoc-Pra-OH	4053914
Fmoc-D-Pra-OH	4072399

### $\alpha$ -Aminobutyric Acid (Abu)

Fmoc-Abu-OH	4006449
Fmoc-D-Abu-OH	4027306

### $\gamma$ -Carboxyglutamic Acid (Gla)

Fmoc- $\gamma$ -carboxy-Glu(OtBu) <sub>2</sub> -OH (Fmoc-Gla(OtBu) <sub>2</sub> -OH)	4004771
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### Citrulline (Cit)

Fmoc-Cit-OH	4017699
Fmoc-D-Cit-OH	4017700
Fmoc-Cit-OPfp	4063430

### Cysteine Analogs, Cystine

Fmoc-Cys(3-(Boc-amino)-propyl)-OH	4028163
Fmoc-Cys((S)-2,3-di(palmitoyloxy)-propyl)-OH (Fmoc-(S)Pam <sub>2</sub> Cys-OH)	4074791
Fmoc-Cys((R)-2,3-di(palmitoyloxy)-propyl)-OH	4042951
Fmoc-Cys((RS)-2,3-di(palmitoyloxy)-propyl)-OH	4038236
Fmoc-Cys(Et)-OH	4016168
Fmoc-Cys(2-hydroxyethyl)-OH	4026001

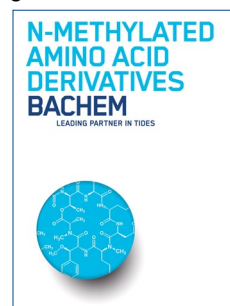
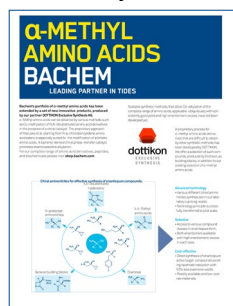
### Cystine

(Fmoc-Cys-OH) <sub>2</sub>	4011808
(Fmoc-Cys-OtBu) <sub>2</sub>	4027211
(Fmoc-Cys-OSu) <sub>2</sub>	4011809

### $\alpha,\gamma$ -Diaminobutyric Acid (Dab)

Fmoc-Dab-OH	4012085
Fmoc-Dab(Aloc)-OH	4026646

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Fmoc-Dab(Boc)-OH	4016009
Fmoc-D-Dab(Boc)-OH	4027196
Fmoc-Dab(Fmoc)-OH	4019034
Fmoc-Dab(ivDde)-OH	4066591
Fmoc-Dab(Z)-OH	4028384
Boc-Dab(Fmoc)-OH	4019046
Boc-D-Dab(Fmoc)-OH	4027507

## $\alpha,\beta$ -Diaminopropionic Acid (Dap, Dpr)

Fmoc-Dap-OH	4012066
Fmoc-Dap(Adpoc)-OH	4026634
Fmoc-Dap(Aloc)-OH	4026639
Fmoc-Dap(Boc)-OH	4018520
Fmoc-D-Dap(Boc)-OH	4027406
Fmoc-Dap(bromoacetyl)-OH	4037565
Fmoc-Dap(Dnp)-OH (Fmoc-Dpa-OH)	4026365
Fmoc-Dap(Dnp)-SASRIN™ resin (200-400 mesh)	4029525
Fmoc-Dap(Fmoc)-OH	4019016
Fmoc-Dap(ivDde)-OH	4054323
Boc-Dap(Fmoc)-OH	4019047
Boc-D-Dap(Fmoc)-OH	4027217
Z-Dap(Fmoc)-OH	4042508
Z-D-Dap(Fmoc)-OH	4041777

## $\alpha$ -Substituted Glycine

Fmoc-tBu-Gly-OH (Fmoc-Tle-OH)	4016319
Fmoc-tBu-D-Gly-OH	4028028
Fmoc-cyclohexyl-Gly-OH (Fmoc-Chg-OH)	4028499
Fmoc-cyclohexyl-D-Gly-OH	4028500
Fmoc-Cpg-OH	4040958
Fmoc-octyl-Gly-OH	4062518
Fmoc-octyl-D-Gly-OH	4066640

## Homoamino Acids (Har, Hci, Hcy, Hle, Hph, Pip)

Fmoc-Homoarg-OH	4042764
Fmoc-Homoarg(Pmc)-OH	4026267
Fmoc-Homocit-OH	4019724
Fmoc-D-Homocit-OH	4025001
Fmoc-Homocys(Trt)-OH	4025118
Fmoc-D-Homocys(Trt)-OH	4039317
Fmoc-N-Me-Homocys(Trt)-OH	4042205
(S)-2-(Fmoc-amino)-4-neopentylloxysulfonyl-butyric acid (Fmoc-Homocya(OnP)-OH)	4034632
Fmoc-Homoleu-OH	4039689
Fmoc-Homophe-OH	4011602
Fmoc-D-Homophe-OH	4027222
Fmoc-Homopro-OH (Fmoc-Pip-OH)	4019015
Fmoc-D-Homopro-OH	4018599

## Hydroxyproline (Hyp) and Other Proline Analogs

Fmoc-Hyp-OH	4025531
Fmoc-Hyp(tBu)-OH	4008172
Fmoc-D-Hyp(tBu)-OH	4027773
Fmoc-Hyp(Bzl)-OH	4025312
Fmoc-D-cis-Hyp-OH	4027501
Fmoc-3,4-dehydro-Pro-OH	4013705
Fmoc-cis-4-fluoro-Pro-OH	4034298
Fmoc-trans-4-fluoro-Pro-OH	4034299
Fmoc-L-octahydroindole-2-carboxylic acid (Fmoc-Oic-OH)	4025301

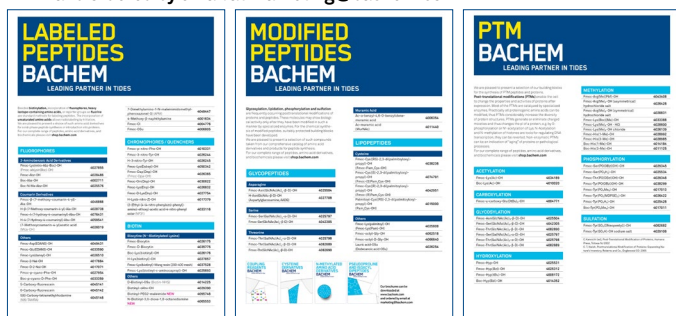
## Naphthylalanine (Nal)

Fmoc-1-Nal-OH	4016166
Fmoc-D-1-Nal-OH	4027577
Fmoc-2-Nal-OH	4017664
Fmoc-D-2-Nal-OH	4017071

## Norleucine (Nle) and Norvaline (Nva)

Fmoc-Nle-OH	4004485
Fmoc-D-Nle-OH	4027625
Fmoc-Nle-OPfp	4011872
Fmoc-N-Me-Nle-OH	4028697
Fmoc-Nle-Wang resin (200-400 mesh)	4018558
Fmoc-Nva-OH	4016412
Fmoc-D-Nva-OH	4027288
Fmoc-N-Me-Nva-OH	4028701

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## Ornithine (Orn)

Fmoc-Orn-OH · HCl	4025982
Fmoc-Orn(Aloc)-OH	4026833
Fmoc-D-Orn(Aloc)-OH	4027623
Fmoc-Orn(Boc)-OH	4004449
Fmoc-Orn(Boc)-Wang resin (200-400 mesh)	4018559
Fmoc-D-Orn(Boc)-OH	4004451
Fmoc-Orn(Boc)-OPfp	4018567
Fmoc-Orn(Dde)-OH	4027859
Fmoc-Orn(Fmoc)-OH	4018519
Fmoc-Orn(ivDde)-OH	4041286
Boc-Orn(Fmoc)-OH	4017884
Boc-D-Orn(Fmoc)-OH	4019007
H-Orn(Fmoc)-OH	4012233
Fmoc-Orn(Dnp)-OH	4030622
Fmoc-Orn(pyrazinylcarbonyl)-OH	4026401

## Penicillamine (Pen)

Fmoc-Pen(Acm)-OH	4016442
Fmoc-D-Pen(Acm)-OH	4017083
Fmoc-Pen(Trt)-OH	4019778
Fmoc-D-Pen(Trt)-OH	4019031

## Ring-substituted Phenylalanine

Boc-p-amino-Phe(Fmoc)-OH	4026806
Fmoc-4-amino-Phe-OH	4016064
Fmoc-p-amino-Phe(Boc)-OH	4016065
Fmoc-p-amino-D-Phe(Boc)-OH	4027193
Fmoc-p-azido-Phe-OH	4020251
Fmoc-p-Bz-Phe-OH (Fmoc-Bpa-OH)	4017859
Fmoc-p-Bz-D-Phe-OH	4011962
Fmoc-4-phenyl-Phe-OH (Fmoc-Bip-OH)	4027843
Fmoc-4-phenyl-D-Phe-OH	4027844
Fmoc-p-bromo-Phe-OH	4042637
Fmoc-4-bromo-D-Phe-OH	4037471
Fmoc-p-tBu-Phe-OH	4028935
Fmoc-p-carboxy-Phe(OtBu)-OH	4027514
Fmoc-4-chloro-Phe-OH (Fmoc-Cpa-OH)	4018280

Fmoc-p-chloro-D-Phe-OH	4015614
Fmoc-4-cyano-Phe-OH	4027954
Fmoc-3,4-dichloro-D-Phe-OH	4027210
Fmoc-m-fluoro-Phe-OH	4025827
Fmoc-p-fluoro-Phe-OH	4026602
Fmoc-p-fluoro-D-Phe-OH	4028285
Fmoc-p-iodo-Phe-OH	4026458
Fmoc-p-Me-Phe-OH	4028886
Fmoc-p-Me-D-Phe-OH	4028982
Fmoc-p-nitro-Phe-OH (Fmoc-Nph-OH)	4010331
Fmoc-p-nitro-D-Phe-OH	4019048
Fmoc-4-phosphono-Phe(Bzl)-OH	4056290

## Phenylglycine (Phg)

Fmoc-Phg-OH	4026939
Fmoc-D-Phg-OH	4034848

## Pyridylalanine (Pal), Quinolylalanine

Fmoc-β-(3-pyridyl)-Ala-OH (Fmoc-3Pal-OH)	4017355
Fmoc-β-(3-pyridyl)-D-Ala-OH	4017389
Fmoc-β-(2-quinolyl)-Ala-OH	4027849

## Thienylalanine (Thi), Benzothienylalanine (Bta)

Fmoc-β-(2-thienyl)-Ala-OH	4009752
Fmoc-β-(2-thienyl)-D-Ala-OH	4012100
Fmoc-β-(3-benzothienyl)-Ala-OH	4026385
Fmoc-β-(3-benzothienyl)-D-Ala-OH	4029295

## Tyrosine Analogs, Ring-substituted Tyrosine

Fmoc-Tyr(malonyl-di-OtBu)-OH	4026574
Fmoc-Tyr(Et)-OH	4043686
Fmoc-D-Tyr(Et)-OH	4015247
Fmoc-Tyr(Me)-OH	4042449
Fmoc-D-Tyr(Me)-OH	4025244
Fmoc-Dopa(acetonide)-OH	4076682
Fmoc-β-(2,2-dimethyl-4H-benzo[1,3] dioxin-6-yl)-Ala-OH (Fmoc-3-hydroxy- methyl-Tyr(acetonide)-OH)	4028689

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Fmoc-3-iodo-Tyr-OH	4015214
Fmoc-3-nitro-Tyr-OH	4026244
Fmoc-3,5-dibromo-Tyr-OH	4008952
Fmoc-3,5-diiodo-Tyr-OH	4009121
Fmoc-3,5-dinitro-Tyr-OH	4028488

## Fluorogenic and Azido Derivatives

Fmoc- $\beta$ -(7-methoxy-coumarin-4-yl)-Ala-OH	4046868
Fmoc-4-(7-hydroxy-4-coumarinyl)-Abu-OH	4076431
Fmoc- $\gamma$ -azido-Abu-OH	4072396
Fmoc- $\delta$ -azido-Nva-OH	4072395
Fmoc- $\delta$ -azido-Nle-OH	4072394

## Various

Fmoc- $\beta$ -(1-piperazinyl)-Ala(Boc)-OH	4043668
Fmoc-Aad(OtBu)-OH	4025264
1-(Fmoc-amino)-cyclopentanecarboxylic acid (Fmoc-Ac <sub>c</sub> -OH)	4037463
Fmoc-Aib-OH	4013932
Fmoc-L-azetidine-2-carboxylic acid (Fmoc-Aze-OH)	4019052
Fmoc-L-cysteic acid · disodium salt	4039171
Fmoc- $\alpha$ -amino-DL-Gly(Boc)-OH	4027508

Fmoc- $\alpha$ -amino-D-Gly(Boc)-OH (Fmoc-D-Agl(Boc)-OH)	4039208
Fmoc-N-(N- $\beta$ -Boc-aminoethyl)-Gly-OH (Fmoc-Aeg(Boc)-OH)	4028556
Fmoc-4,5-dehydro-Leu-OH	4018956
Fmoc-Met(O <sub>2</sub> )-OH	4013865
Fmoc-L-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid (Fmoc-Tic-OH)	4015637
Fmoc-D-1,2,3,4-tetrahydroisoquinoline-3-carboxylic acid	4015638
Fmoc-L-thiazolidine-4-carboxylic acid (Fmoc-Thz-OH)	4037410

## Marketing & Sales Contact

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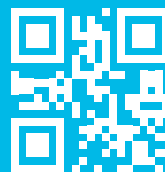
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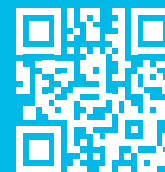
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