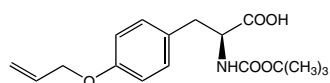


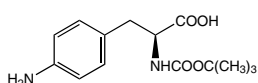
Phenylalanines

Unnatural amino acids are useful building blocks in drug discovery and are frequently found in pharmaceutical, drug candidates and other molecular functional materials. A number of new phenyl alanines derivatives are now available through Alfa Aesar and have already been extensively cited in scientific literature.

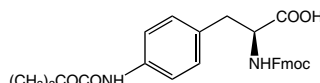
4-Cyano-N-Fmoc-L-phenylalanine (H52067) was used to create novel amino acids incorporating both acidic and aromatic features¹, while Pearson et al used it in a series of multi-step reactions to prepare peptides in order to study the chemical and biological effects of platelet aggregation.² Alfa Aesar has expanded its comprehensive range of Boc and Fmoc protected phenylalanine derivatives.



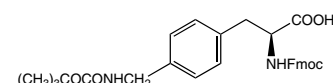
H52116
4-Allyloxy-N-Boc-L-phenylalanine, 95%



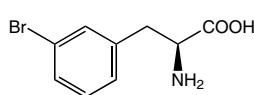
H51980
4-Amino-N-Boc-L-phenylalanine, 95%
[55533-24-9]



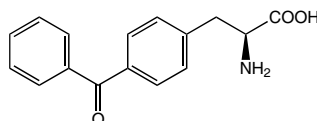
H52031
4-(Boc-amino)-N-Fmoc-L-phenylalanine, 95%
[174132-31-1]



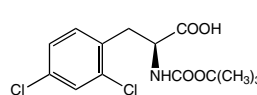
H52008
4-(Boc-aminomethyl)-N-Fmoc-L-phenylalanine, 95%
[204715-91-3]



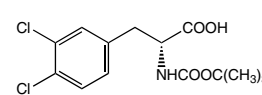
H52114
3-Bromo-L-phenylalanine, 95%
[82311-69-1]



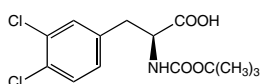
H52083
4-Benzoyl-L-phenylalanine, 95%
[104504-45-2]



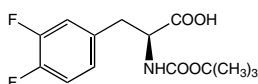
H52064
N-Boc-2,4-dichloro-L-phenylalanine, 95%
[114873-04-0]



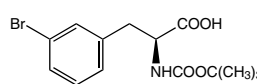
H52070
N-Boc-3,4-dichloro-D-phenylalanine, 95%
[114873-13-1]



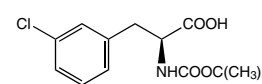
H52053
N-Boc-3,4-dichloro-L-phenylalanine, 95%
[80741-39-5]



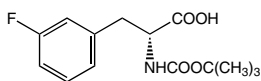
H52051
N-Boc-3,4-difluoro-L-phenylalanine, 95%
[198474-90-7]



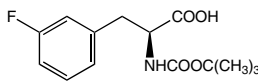
H52024
N-Boc-3-bromo-L-phenylalanine, 95%
[82278-73-7]



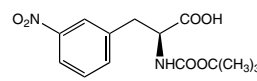
H52015
N-Boc-3-chloro-L-phenylalanine, 95%
[114873-03-9]



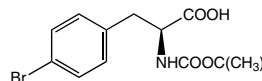
H51963
N-Boc-3-fluoro-D-phenylalanine, 98%
[114873-11-9]



H51988
N-Boc-3-fluoro-L-phenylalanine, 95%
[114873-01-7]

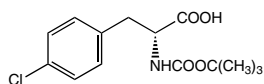


H52058
N-Boc-3-nitro-L-phenylalanine, 95%
[131980-29-5]

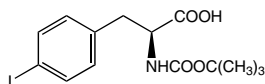


H51969
N-Boc-4-bromo-L-phenylalanine, 98%
[62129-39-9]

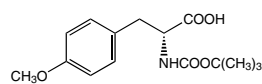
Phenylalanines



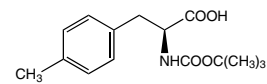
H52181
N-Boc-4-chloro-D-phenylalanine, 95%
[57292-44-1]



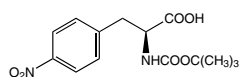
H51960
N-Boc-4-iodo-L-phenylalanine, 98%
[62129-44-6]



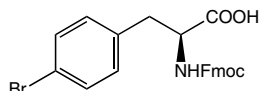
H52082
N-Boc-4-methoxy-D-phenylalanine, 95%
[68856-96-2]



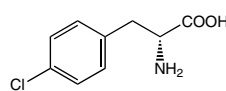
H51983
N-Boc-4-methyl-L-phenylalanine, 95%
[80102-26-7]



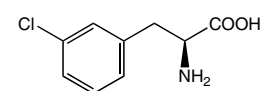
H51986
N-Boc-4-nitro-L-phenylalanine, 95%
[33305-77-0]



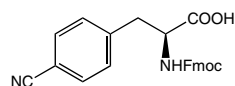
H51978
4-Bromo-N-Fmoc-L-phenylalanine, 95%
[198561-04-5]



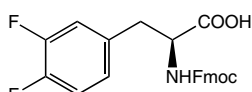
H51982
4-Chloro-D-phenylalanine, 95%
[14091-08-8]



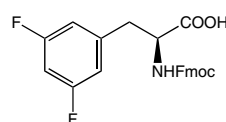
H52018
3-Chloro-L-phenylalanine, 95%
[80126-51-8]



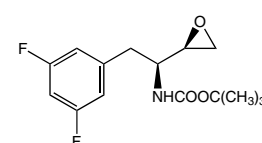
H52067
4-Cyano-N-Fmoc-L-phenylalanine, 95%
[173963-93-4]



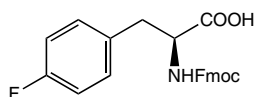
H52057
3,4-Difluoro-N-Fmoc-L-phenylalanine, 95%
[198560-43-9]



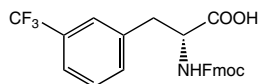
H52069
3,5-Difluoro-N-Fmoc-L-phenylalanine, 95%
[205526-24-5]



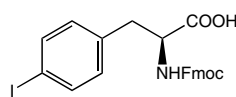
H52099
erythro-N-Boc-3,5-difluoro-L-phenylalanine epoxide, 95%



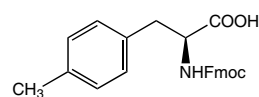
H51972
4-Fluoro-N-Fmoc-L-phenylalanine, 95%
[169243-86-1]



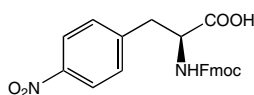
H52068
N-Fmoc-3-trifluoromethyl-D-phenylalanine, 95%
[205526-28-9]



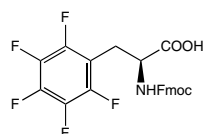
H51977
N-Fmoc-4-iodo-L-phenylalanine, 95%
[82565-68-2]



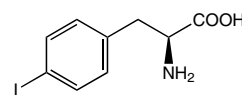
H52073
N-Fmoc-4-methyl-L-phenylalanine, 95%
[199006-54-7]



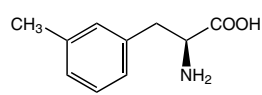
H51962
N-Fmoc-4-nitro-L-phenylalanine, 98%
[95753-55-2]



H52059
N-Fmoc-L-pentafluorophenylalanine, 95%
[205526-32-5]

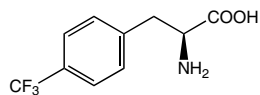


H51979
4-Iodo-L-phenylalanine, 95%
[24250-85-9]



H52047
3-Methyl-L-phenylalanine, 95%
[114926-37-3]

Phenylalanines



H52170

4-Trifluoromethyl-L-phenylalanine, 95%
[114926-38-4]

¹J. S. McMurray, O. Khabashesku, J. S. Birtwistle, & W. Wang, *Tetra. Lett.*, 2000, **41**, 6555.

²D. A. Pearson, *et al.*, *J. Med. Chem.*, 1996, **39**, 1372.