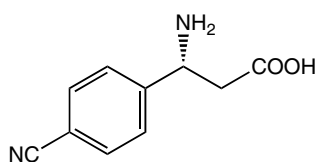


β -Amino Acids

The design and synthesis of β -amino acids¹ and of other biologically active amino acid derivatives is a challenge in current drug design.² The only commonly naturally occurring β -amino acid is β -alanine (A16665). A number of new β -amino acid derivatives are now available through Alfa Aesar, and many have already been extensively cited in scientific literature in the following examples.

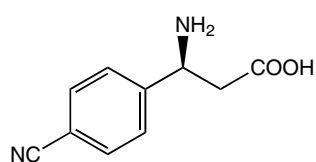
Recent studies have shown that racemic 3-amino-3-(4-cyanophenyl)propionic acid has been applied in the synthesis of aromatase inhibitors,³ antagonists of the Bradykinin B1 receptor,⁴ and TNF α inhibitors.⁵ Alfa Aesar is pleased to supply enantiomerically pure 3-amino-3-(4-cyanophenyl)propionic acids in both R (H52132) and S forms (H52084).

Chiral propionic acid (H52072) has been widely used in the synthesis of potentially pharmaceutically active products such as glycine transport inhibitors,⁶ and as potent antimitotic agents.⁷ Furthermore, it has been employed in the total synthesis of several naturally occurring compounds such as (+)-(S)-dihydroperiphylline,⁸ (+)-(8S,13R)-Cyclocelabenzine,⁹ (-)-dihydrocelacinnine and (+/-)-celabenzine.¹⁰ Finally, a patent has described the use of H52166 as an AGC kinase inhibitor.¹¹ Alfa Aesar has extended its comprehensive range of heterocyclic compounds with the following β -amino acids.



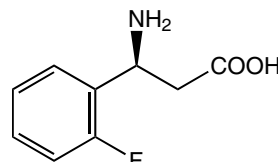
H52132

(R)-3-Amino-3-(4-cyanophenyl)propionic acid, 95%



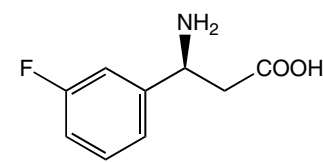
H52084

(S)-3-Amino-3-(4-cyanophenyl)propionic acid, 95%



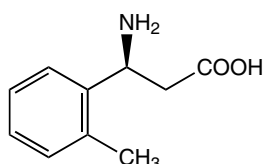
H52046

(S)-3-Amino-3-(2-fluorophenyl)propionic acid, 95%



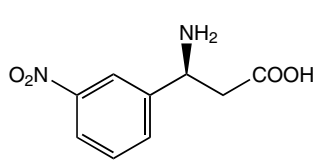
H52089

(S)-3-Amino-3-(3-fluorophenyl)propionic acid, 95%



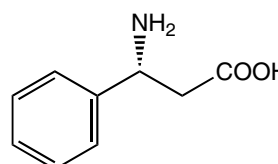
H52039

(S)-3-Amino-3-(2-methylphenyl)propionic acid, 95%



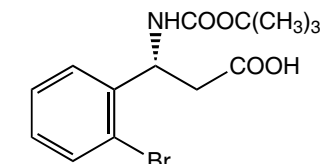
H52027

(S)-3-Amino-3-(3-nitrophenyl)propionic acid, 95%



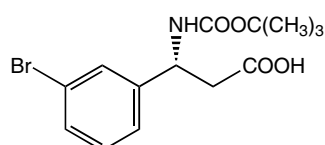
H52034

(R)-3-Amino-3-phenylpropionic acid, 95%



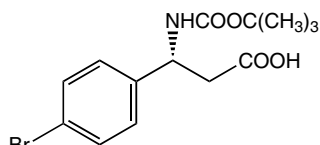
H52028

(R)-3-(Boc-amino)-3-(2-bromophenyl)propionic acid, 95%



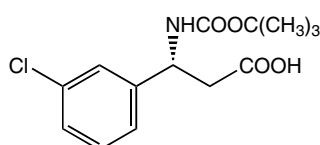
H52033

(R)-3-(Boc-amino)-3-(3-bromophenyl)propionic acid, 95%



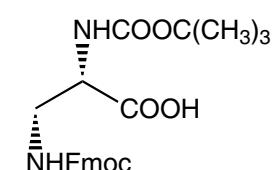
H52166

(R)-3-(Boc-amino)-3-(4-bromophenyl)propionic acid, 95%



H52003

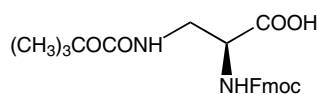
(R)-3-(Boc-amino)-3-(3-chlorophenyl)propionic acid, 95%



H51964

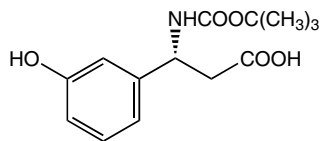
(S)-2-(Boc-amino)-3-(Fmoc-amino)propionic acid, 98%
[122235-70-5]

β-Amino Acids



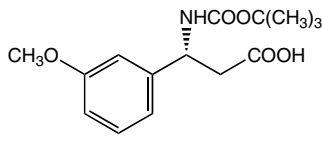
H51987

(S)-3-(Boc-amino)-2-(Fmoc-amino)propionic acid, 95%
[162558-25-0]



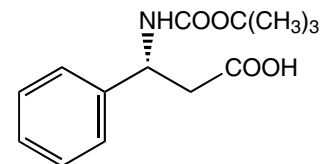
H52109

(R)-3-(Boc-amino)-3-(3-hydroxyphenyl)propionic acid, 95%



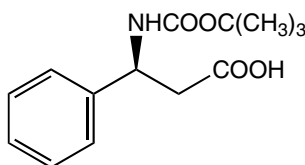
H52001

(R)-3-(Boc-amino)-3-(3-methoxyphenyl)propionic acid, 95%



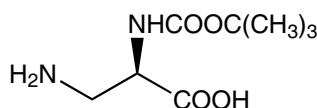
H51984

(R)-3-(Boc-amino)-3-phenylpropionic acid, 95%
[161024-80-2]



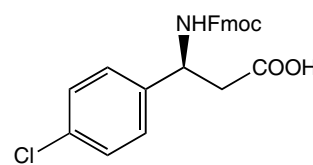
H52072

(S)-3-(Boc-amino)-3-phenylpropionic acid, 95%
[103365-47-5]



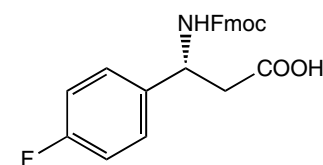
H52821

N(alpha)-Boc-D-2,3-diaminopropionic acid, 97%
[76387-70-7]



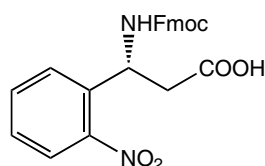
H52105

(S)-3-(4-Chlorophenyl)-3-(Fmoc-amino)propionic acid, 95%
[479064-91-0]



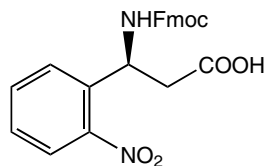
H52131

(R)-3-(4-Fluorophenyl)-3-(Fmoc-amino)propionic acid, 95%
[479064-95-4]



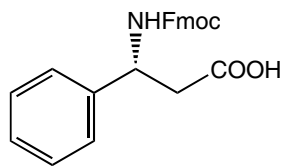
H52037

(R)-3-(Fmoc-amino)-3-(2-nitrophenyl)propionic acid, 95%



H52101

(S)-3-(Fmoc-amino)-3-(2-nitrophenyl)propionic acid, 95%



H52074

(R)-3-(Fmoc-amino)-3-phenylpropionic acid, 95%
[220498-02-2]

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¹¹DEVGEN N.V. Patent: WO2007/6547 A1, 2007.