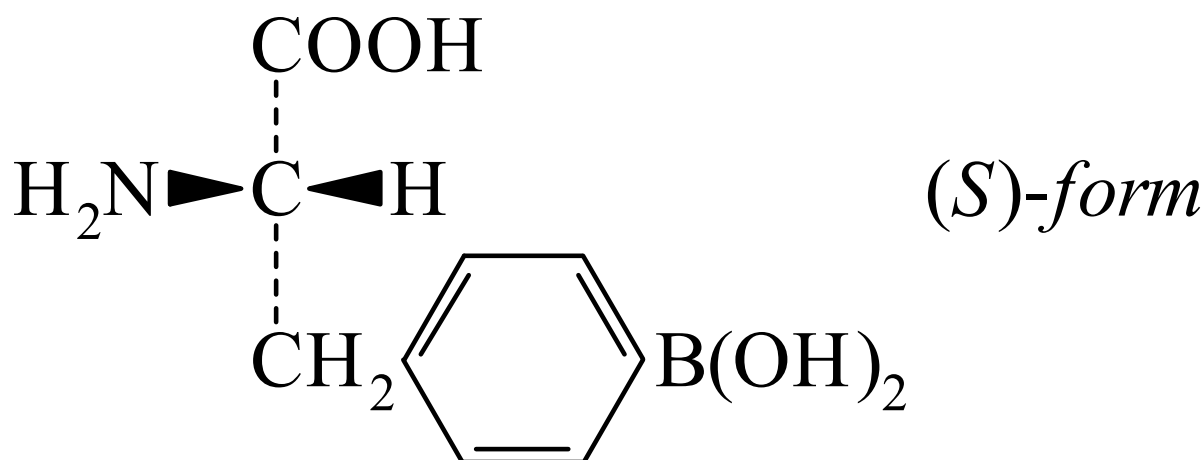




>>Entry Name: 2-Amino-3-(4-boronophenyl)propanoic acid

Synonym(s): 4-Boronophenylalanine, 9CI



CAS Registry Number: 90580-64-6

Related CAS Registry Numbers(s): 74923-16-3 76410-59-8 80994-59-8 91196-68-8 111821-49-9

Molecular Formula: $C_9H_{12}BNO_4$

Molecular Weight: 209.009

Accurate Mass: 209.085939

Percentage Composition: C 51.72%; H 5.79%; B 5.17%; N 6.70%; O 30.62%

Use/Importance: ^{10}B -labelled-form is used in boron neutron capture therapy

>>Variant: (S)-form

CAS Registry Number: 76410-58-7

Molecular Formula: $C_9H_{12}BNO_4$

Molecular Weight: 209.009

Accurate Mass: 209.085939

Percentage Composition: C 51.72%; H 5.79%; B 5.17%; N 6.70%; O 30.62%

Source/Synthesis: Synth. in 3 steps from Dihydroxy(4-iodophenyl)borane [NZT04-Y](#)

Physical Description: Cryst.

Melting Point: Mp 285-290°

Optical Rotation: $[\alpha]_D^{23} -8.3$ (c, 0.9 in 1M HCl)