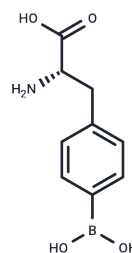


4-Borono-L-phenylalanine

Chemical Properties

CAS No. :	76410-58-7
Formula:	C ₉ H ₁₂ BN ₂ O ₄
Molecular Weight:	209.01
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	4-Borono-L-phenylalanine has antitumor activity and may be used in clinical trials of boron neutron capture therapy for the treatment of melanoma and glioblastoma multiforme.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: < 1mg/ml (insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7845 mL	23.9223 mL	47.8446 mL
5 mM	0.9569 mL	4.7845 mL	9.5689 mL
10 mM	0.4784 mL	2.3922 mL	4.7845 mL
50 mM	0.0957 mL	0.4784 mL	0.9569 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Heikkinen S, et al. 1H MRS of a boron neutron capture therapy 10B-carrier, L-p-boronophenylalanine-fructose complex, BPA-F: phantom studies at 1.5 and 3.0 T. Phys Med Biol. 2003 Apr 21;48(8):1027-39.

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