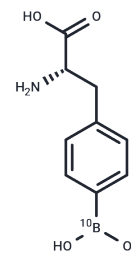


Borofalan-10B

Chemical Properties

CAS No. :	80994-59-8
Formula:	C ₉ H ₁₂ BNO ₄
Molecular Weight:	208.21
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Borofalan-10B (L-4-Boronophenylalanine) exhibits antineoplastic effects. Borofalan can be used in studies on recurrent or locally advanced head and neck cancer.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 0.2 mg/mL (0.96 mM), Sonication is recommended. H ₂ O: 0.5 mg/mL (2.4 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8028 mL	24.0142 mL	48.0284 mL
5 mM	0.9606 mL	4.8028 mL	9.6057 mL
10 mM	0.4803 mL	2.4014 mL	4.8028 mL
50 mM	0.0961 mL	0.4803 mL	0.9606 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hirose K, et al. Boron neutron capture therapy using cyclotron-based epithermal neutron source and borofalan (10B) for recurrent or locally advanced head and neck cancer (JHN002): An open-label phase II trial. *Radiother Oncol.* 2021 Feb;155:182-187.

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