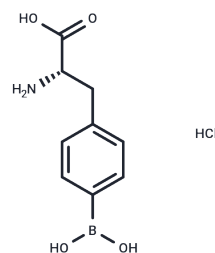


Boronophenylalanine HCl

Chemical Properties

CAS No. :	76410-59-8
Formula:	C ₉ H ₁₃ BClNO ₄
Molecular Weight:	245.47
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 (also known as SPM 011) is an adjuvant compound used in boron neutron capture therapy (BNCT) for cancer treatment. BNCT leverages the high neutron capture cross-section of boron-containing compounds (¹⁰ B) and facilitates the ¹⁰ B(n,α) ⁷ Li neutron capture and nuclear fission reaction. With the use of borofalan (¹⁰ B)-containing C-BENS, BNCT has demonstrated effective therapeutic potential in patients with R-SCC or R/LA-nSCC of the head and neck. Note: We offer the non-labeled version of Borofalan.
-------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0738 mL	20.3691 mL	40.7382 mL
5 mM	0.8148 mL	4.0738 mL	8.1476 mL
10 mM	0.4074 mL	2.0369 mL	4.0738 mL
50 mM	0.0815 mL	0.4074 mL	0.8148 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481