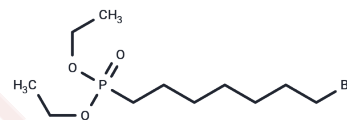


Diethyl 7-bromoheptylphosphonate

Chemical Properties

CAS No. :	100462-73-5
Formula:	C ₁₁ H ₂₄ BrO ₃ P
Molecular Weight:	315.18
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Diethyl 7-bromoheptylphosphonate, an alkyl chain-based PROTAC linker, is commonly used for synthesizing proteolysis-targeting chimeras (PROTACs)[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands joined by a linker: one ligand binds to an E3 ubiquitin ligase, while the other targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade these target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1728 mL	15.864 mL	31.7279 mL
5 mM	0.6346 mL	3.1728 mL	6.3456 mL
10 mM	0.3173 mL	1.5864 mL	3.1728 mL
50 mM	0.0635 mL	0.3173 mL	0.6346 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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