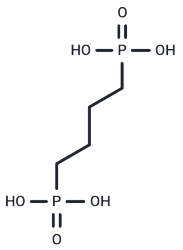
Data Sheet (Cat.No.T14837)

TargetMol

Butane-1,4-diyldiphosphonic acid

Chemical Properties



CAS No. : 4671-77-6

Formula: C4H12O6P2

Molecular Weight: 218.08

Storage: Keep away from direct sunlight
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	Butane-1,4-diyldiphosphonic acid, an alkyl chain-derived linker compound, is commonly used in PROTAC synthesis [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, composed of two distinct ligands joined by a linker–one targeting an E3 ubiquitin ligase and the other the target protein–utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5855 mL	22.9274 mL	45.8547 mL
5 mM	0.9171 mL	4.5855 mL	9.1709 mL
10 mM	0.4585 mL	2.2927 mL	4.5855 mL
50 mM	0.0917 mL	0.4585 mL	0.9171 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

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