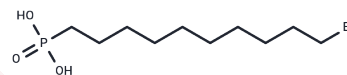


## (10-Bromodecyl)phosphonic acid

## Chemical Properties

CAS No. :	934985-98-5
Formula:	C10H22BrO3P
Molecular Weight:	301.16
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	(10-Bromodecyl)phosphonic acid is an alkyl chain-derived PROTAC linker suitable for PROTAC synthesis [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one ligand targets an E3 ubiquitin ligase, and the other targets the desired protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs facilitate the selective degradation of target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3205 mL	16.6025 mL	33.2049 mL
5 mM	0.6641 mL	3.3205 mL	6.641 mL
10 mM	0.332 mL	1.6602 mL	3.3205 mL
50 mM	0.0664 mL	0.332 mL	0.6641 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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