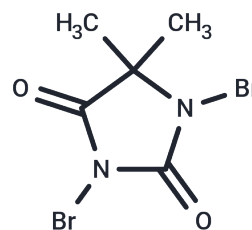


1,3-Dibromo-5,5-dimethylhydantoin

Chemical Properties

CAS No. :	77-48-5
Formula:	C ₅ H ₆ Br ₂ N ₂ O ₂
Molecular Weight:	285.92
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	1,3-Dibromo-5,5-dimethylhydantoin is an alkyl chain-based PROTAC linker utilized in PROTAC synthesis.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs comprise two ligands connected by a linker: one binds to an E3 ubiquitin ligase, and the other targets the desired protein. These compounds utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4975 mL	17.4874 mL	34.9748 mL
5 mM	0.6995 mL	3.4975 mL	6.995 mL
10 mM	0.3497 mL	1.7487 mL	3.4975 mL
50 mM	0.0699 mL	0.3497 mL	0.6995 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

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