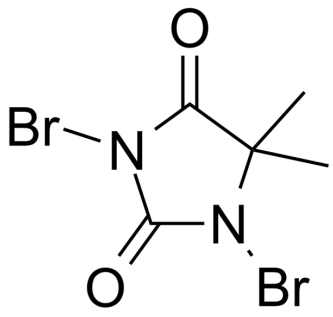
1,3-Dibromo-5,5-dimethylhydantoin

Cat. No.:	HY-Y0786
CAS No.:	77-48-5
Molecular Formula:	$C_5H_6Br_2N_2O_2$
Molecular Weight:	285.92
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (349.75 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.4975 mL	17.4874 mL	34.9748 mL
	5 mM	0.6995 mL	3.4975 mL	6.9950 mL
	10 mM	0.3497 mL	1.7487 mL	3.4975 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	1,3-Dibromo-5,5-dimethylhydantoin is an alkyl chain-based PROTAC linker that can be used in the synthesis of PROTACs[1].
IC_{50} & Target	Alkyl-Chain
In Vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA