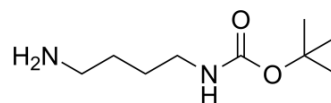


NH₂-C₄-NH-Boc

Cat. No.:	HY-40178
CAS No.:	68076-36-8
Molecular Formula:	C ₉ H ₂₀ N ₂ O ₂
Molecular Weight:	188.27
Target:	PROTAC Linker
Pathway:	PROTAC
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (531.15 mM; Need ultrasonic)			
	H ₂ O : 100 mg/mL (531.15 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
Preparing Stock Solutions	1 mM	5.3115 mL	26.5576 mL	53.1152 mL
	5 mM	1.0623 mL	5.3115 mL	10.6230 mL
	10 mM	0.5312 mL	2.6558 mL	5.3115 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: PBS Solubility: 150 mg/mL (796.73 mM); Clear solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (13.28 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (13.28 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	NH ₂ -C ₄ -NH-Boc (compound 15) is a PROTAC linker, which refers to the Alkyl/ether composition. NH ₂ -C ₄ -NH-Boc can be used in the synthesis of a series of PROTACs. 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] .
IC ₅₀ & Target	Alkyl/ether

REFERENCES

[1]. Jiang F, et al. Discovery of novel small molecule induced selective degradation of the bromodomain and extra-terminal (BET) bromodomain protein BRD4 and BRD2 with cellular potencies. *Bioorg Med Chem*. 2020 Jan 1;28(1):115181.

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

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