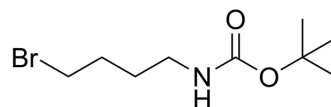


Boc-NH-C4-Br

Cat. No.:	HY-W007803	
CAS No.:	164365-88-2	
Molecular Formula:	C ₉ H ₁₈ BrNO ₂	
Molecular Weight:	252.15	
Target:	PROTAC Linkers	
Pathway:	PROTAC	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (396.59 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.9659 mL	19.8295 mL	39.6589 mL
	5 mM	0.7932 mL	3.9659 mL	7.9318 mL
	10 mM	0.3966 mL	1.9829 mL	3.9659 mL

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

BIOLOGICAL ACTIVITY

Description

Boc-NH-C4-Br is an alkyl chain-based PROTAC linker that can be used in the synthesis of PROTACs^[1].

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]. Hu R, et, al. Identification of a selective BRD4 PROTAC with potent antiproliferative effects in AR-positive prostate cancer based on a dual BET/PLK1 inhibitor. Eur J Med Chem. 2022 Jan 5;227:113922.

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

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