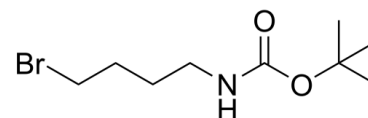


Data Sheet

Product Name:	Boc-NH-C4-Br
Cat. No.:	CS-W007803
CAS No.:	164365-88-2
Molecular Formula:	C ₉ H ₁₈ BrNO ₂
Molecular Weight:	252.15
Target:	PROTAC Linkers
Pathway:	PROTAC
Solubility:	DMSO : 100 mg/mL (ultrasonic;warming;heat to 60°C)



BIOLOGICAL ACTIVITY:

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].

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.

CAIndexNames:

Carbamic acid, N-(4-bromobutyl)-, 1,1-dimethylethyl ester

SMILES:

O=C(OC(C)(C)C)NCCCCBr

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

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