NH2-C2-NH-Boc

Cat. No.: HY-40171

CAS No.: 57260-73-8

Molecular Formula: $C_7H_{16}N_2O_2$

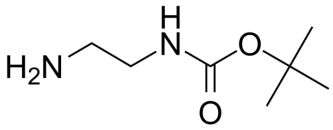
Molecular Weight: 160.21

Target: PROTAC Linkers

Pathway: PROTAC

Storage: 4°C, stored under nitrogen

* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (624.18 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	6.2418 mL	31.2090 mL	62.4181 mL
5 mM	1.2484 mL	6.2418 mL	12.4836 mL
10 mM	0.6242 mL	3.1209 mL	6.2418 mL

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

BIOLOGICAL ACTIVITY

Description

NH2-C2-NH-Boc (PROTAC Linker 22) is a alkyl chain-based PROTAC linker 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.

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