
Product Data Sheet

Product Name: NH₂-C₄-NH-Boc

Cat. No.: GC39114

Chemical Properties

Cas. No. 68076-36-8

SMILES NCCCCNC(OC(C)(C)C)=O

Formula C₉H₂₀N₂O₂

M.Wt 188.27

Solubility Water: 100 mg/mL (531.15 mM); DMSO:
100 mg/mL (531.15 mM)Storage 4°C, protect from light,
stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

NH₂-C₄-NH-Boc (compound 15) is a PROTAC linker, which refers to the Alkyl/ether composition. NH₂-C₄-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].

[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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