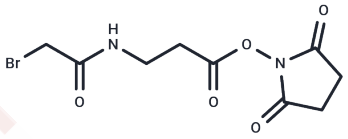
# Data Sheet (Cat.No.T16250)

TargetMol

## N-Succinimidyl 3-(Bromoacetamido)propionate

### Chemical Properties



CAS No. : 57159-62-3

Formula: C9H11BrN2O5

Molecular Weight: 307.1

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

### Biological Description

| | |
|---|---|
| Description | N-Succinimidyl 3-(Bromoacetamido)propionate is a PEG-based PROTAC linker used in the synthesis of PROTACs and antibody-drug conjugates (ADCs) [1, 2], serving as a cleavable ADC linker to facilitate drug-antibody conjugation for targeted delivery [2]. |
| Targets(IC50) | ADC Linker,PROTAC Linker |
| In vitro | PROTACs contain two ligands joined by a linker: one binds to an E3 ubiquitin ligase, and the other to the target protein, utilizing the ubiquitin-proteasome system to selectively degrade target proteins [1]. ADCs consist of an antibody linked to an ADC cytotoxin through an ADC linker [2]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 3.2563 mL | 16.2813 mL | 32.5627 mL |
| 5 mM | 0.6513 mL | 3.2563 mL | 6.5125 mL |
| 10 mM | 0.3256 mL | 1.6281 mL | 3.2563 mL |
| 50 mM | 0.0651 mL | 0.3256 mL | 0.6513 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.
Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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