

N-Bromoacetyl- β -alanine

Chemical Properties

CAS No. : 89520-11-6

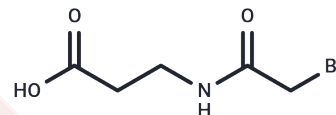
Formula: C₅H₈BrNO₃

Molecular Weight: 210.03

Keep away from direct sunlight

Storage: 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-Bromoacetyl- β -alanine is an alkyl chain-derived PROTAC linker used in synthesizing PROTACs[1] and serves as a cleavable ADC linker in the production of antibody-drug conjugates (ADCs)[2].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	PROTACs have two ligands connected by a linker; one targets an E3 ubiquitin ligase and the other targets a protein, using the ubiquitin-proteasome system for selective protein degradation[1]. ADCs consist of an antibody linked to a cytotoxin via an ADC linker[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7612 mL	23.8061 mL	47.6122 mL
5 mM	0.9522 mL	4.7612 mL	9.5224 mL
10 mM	0.4761 mL	2.3806 mL	4.7612 mL
50 mM	0.0952 mL	0.4761 mL	0.9522 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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