

Iodoacetamide-PEG3-azide

Chemical Properties

CAS No. : 1594986-04-5

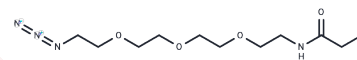
Formula: C10H19IN4O4

Molecular Weight: 386.19

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	Iodoacetamide-PEG3-azide is a PEG-based PROTAC linker for synthesising PROTAC molecules. Its azide group undergoes click chemistry reactions with molecules bearing alkyne, DBCO, or BCN groups.
Targets(IC50)	PROTAC Linker

Solubility Information

Solubility	DMSO: 80 mg/mL (207.15 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (8.55 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5894 mL	12.947 mL	25.894 mL
5 mM	0.5179 mL	2.5894 mL	5.1788 mL
10 mM	0.2589 mL	1.2947 mL	2.5894 mL
50 mM	0.0518 mL	0.2589 mL	0.5179 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

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