

Biotin alkyne

Chemical Properties

CAS No. :	773888-45-2
Formula:	C13H19N3O2S
Molecular Weight:	281.37
Storage:	Store at low temperature,Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Biotin alkyne is a PEG-based PROTAC linker for PROTAC synthesis, whose alkyne group undergoes click chemistry reactions with azide-containing molecules.
Targets(IC50)	PROTAC Linker

Solubility Information

Solubility	DMSO: 200 mg/mL (710.81 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: 5 mg/mL (17.77 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	3.554 mL	17.7702 mL	35.5404 mL
5 mM	0.7108 mL	3.554 mL	7.1081 mL
10 mM	0.3554 mL	1.777 mL	3.554 mL
50 mM	0.0711 mL	0.3554 mL	0.7108 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

Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-1014.

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