

## Alkynyl myristic acid

## Chemical Properties

CAS No. : 82909-47-5

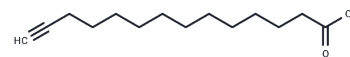
Formula: C<sub>14</sub>H<sub>24</sub>O<sub>2</sub>

Molecular Weight: 224.34

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	Alkynyl myristic acid (13-Tetradecyn-1-oic acid) is an alkyl chain-based PROTAC linker.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Solubility Information

Solubility	DMSO: 90 mg/mL (401.18 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 3.3 mg/mL (14.71 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

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	1mg	5mg	10mg
1 mM	4.4575 mL	22.2876 mL	44.5752 mL
5 mM	0.8915 mL	4.4575 mL	8.915 mL
10 mM	0.4458 mL	2.2288 mL	4.4575 mL
50 mM	0.0892 mL	0.4458 mL	0.8915 mL

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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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