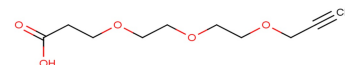


Propargyl-PEG3-acid

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 1347760-82-0 |
| Formula: | C ₁₀ H ₁₆ O ₅ |
| Molecular Weight: | 216.23 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



Biological Description

| | |
|----------------------------|---|
| Description | Propargyl-PEG3-acid is a non-cleavable (3 unit PEG) ADC linker and also a PEG-based PROTAC linker that can be used to synthesis 6-OHDA-PEG3-yne. 6-OHDA-PEG3-yne contains 6-OHDA and Propargyl-PEG3-acid[1]. |
| Targets(IC ₅₀) | PEGs: None Non-cleavable: None |
| In vitro | ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins. |

Solubility Information

| | |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|-----------|
| 1 mM | 4.625 mL | 23.124 mL | 46.247 mL |
| 5 mM | 0.925 mL | 4.625 mL | 9.249 mL |
| 10 mM | 0.462 mL | 2.312 mL | 4.625 mL |
| 50 mM | 0.092 mL | 0.462 mL | 0.925 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Farzam A, et al. A functionalized hydroxydopamine quinone links thiol modification to neuronal cell death. Redox Biol. 2020 Jan;28:101377.
2. Albone, Earl F, et al. ERIBULIN-BASED ANTIBODY-DRUG CONJUGATES AND METHODS OF USE. Patent. 20170252458.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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