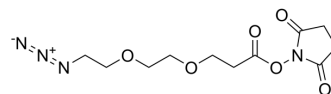


N3-PEG2-C2-NHS ester

| | | |
|--------------------|---|----------------|
| Cat. No.: | HY-126526 | |
| CAS No.: | 1312309-64-0 | |
| Molecular Formula: | C ₁₁ H ₁₆ N ₄ O ₆ | |
| Molecular Weight: | 300.27 | |
| Target: | ADC Linker | |
| Pathway: | Antibody-drug Conjugate/ADC Related | |
| Storage: | Pure form | -20°C 3 years |
| | In solvent | -80°C 6 months |
| | | -20°C 1 month |



SOLVENT & SOLUBILITY

| | | | | | |
|---|--|--------------------------|-----------|------------|------------|
| In Vitro | DMSO : 100 mg/mL (333.03 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass | | |
| | Preparing Stock Solutions | | 1 mg | 5 mg | 10 mg |
| | | 1 mM | 3.3303 mL | 16.6517 mL | 33.3034 mL |
| | | 5 mM | 0.6661 mL | 3.3303 mL | 6.6607 mL |
| | 10 mM | 0.3330 mL | 1.6652 mL | 3.3303 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.33 mM); Clear solution | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.33 mM); Clear solution | | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.33 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | |
|---------------------------|--|
| Description | N3-PEG2-C2-NHS ester is a noncleavable 2-unit PEG linker used in the synthesis of antibody-drug conjugates (ADCs). N3-PEG2-C2-NHS ester is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups. |
| IC ₅₀ & Target | Non-cleavable Linker |

Caution: Product has not been fully validated for medical applications. For research use only.

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