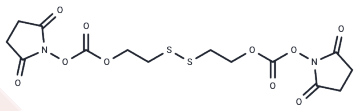
# Data Sheet (Cat.No.T39156)

TargetMol

## NHS-PEG1-SS-PEG1-NHS

### Chemical Properties



CAS No. : 1688598-83-5

Formula: C14H16N2O10S2

Molecular Weight: 436.41

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 | NHS-PEG1-SS-PEG1-NHS is a reversible linker used for interacting biomolecules with active small molecules and is effective for linking protein liposomes or nanoparticles (NHS-PEG1-SS-PEG1-NHS). |
| Targets(IC50) | Others |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 225 mg/mL (515.57 mM),Sonication is recommended.<br>(< 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 (11.46 mM),Sonication is recommended.<br>*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.* |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.2914 mL | 11.4571 mL | 22.9142 mL |
| 5 mM | 0.4583 mL | 2.2914 mL | 4.5828 mL |
| 10 mM | 0.2291 mL | 1.1457 mL | 2.2914 mL |
| 50 mM | 0.0458 mL | 0.2291 mL | 0.4583 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

Thomas Andresen. Reversible linkers and use thereof. WO2019050977A1.

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