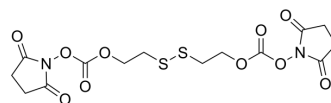


## NHS-PEG1-SS-PEG1-NHS

<b>Cat. No.:</b>	HY-136304
<b>CAS No.:</b>	1688598-83-5
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>16</sub> N <sub>2</sub> O <sub>10</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	436.41
<b>Target:</b>	Liposome
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (229.14 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (5.73 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (5.73 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (5.73 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

NHS-PEG1-SS-PEG1-NHS is a reversible linker for biomacromolecule link with active small molecule. NHS-PEG1-SS-PEG1-NHS can be used in proteins liposomes or nanoparticles<sup>[1]</sup>.

### REFERENCES

[1]. Thomas Andresen. Reversible linkers and use thereof. WO2019050977A1.

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

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