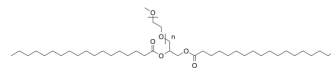


## DSG-PEG (MW 2000)

Cat. No.:	HY-W591381		
CAS No.:	308805-39-2		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (Need ultrasonic)
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution

### BIOLOGICAL ACTIVITY

Description	DSG-PEG is a type of polyethylene glycol grease. DSG-PEG can be used to prepare liposomes <sup>[1]</sup> .
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### REFERENCES

[1]. Geng L, et al. Influence of lipid composition of messenger RNA-loaded lipid nanoparticles on the protein expression via intratracheal administration in mice. *Int J Pharm.* 2023 Apr 25;637:122896.

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

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