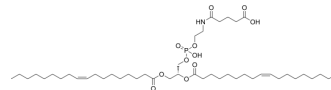


DOPE-GA

Cat. No.:	HY-150240		
CAS No.:	228706-30-7		
Molecular Formula:	C ₄₆ H ₈₄ NO ₁₁ P		
Molecular Weight:	858.13		
Target:	Liposome		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-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 (116.53 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.1653 mL	5.8266 mL	11.6532 mL
5 mM	0.2331 mL	1.1653 mL	2.3306 mL
10 mM	0.1165 mL	0.5827 mL	1.1653 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 (2.91 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (2.91 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (2.91 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

DOPE-GA can be used for formulation of liposome, and used in the research of drug delivery^[1].

REFERENCES

[1]. Cuvillier O, et al. Liposomal ET-18-OCH(3) induces cytochrome c-mediated apoptosis independently of CD95 (APO-1/Fas) signaling. *Blood*. 1999 Nov 15;94(10):3583-92.

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

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