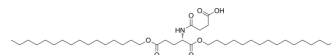


1,5-Dihexadecyl N-(3-carboxy-1-oxopropyl)-L-glutamate

Cat. No.:	HY-150220		
CAS No.:	125401-63-0		
Molecular Formula:	C ₄₁ H ₇₇ NO ₇		
Molecular Weight:	696.05		
Target:	Liposome		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

Ethanol : 25 mg/mL (35.92 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.4367 mL	7.1834 mL	14.3668 mL
	5 mM	0.2873 mL	1.4367 mL	2.8734 mL
	10 mM	0.1437 mL	0.7183 mL	1.4367 mL

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

BIOLOGICAL ACTIVITY

Description

1,5-Dihexadecyl N-(3-carboxy-1-oxopropyl)-L-glutamate is a lipid. 1,5-Dihexadecyl N-(3-carboxy-1-oxopropyl)-L-glutamate can be used for the synthesis of phospholipid vesicle and improve the encapsulation efficiency of proteins^[1].

REFERENCES

[1]. Sou K, et al. Effective encapsulation of proteins into size-controlled phospholipid vesicles using freeze-thawing and extrusion. Biotechnol Prog. 2003 Sep-Oct;19(5):1547-52.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA