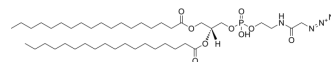


DSPE-N3

Cat. No.:	HY-W440999
CAS No.:	2839508-98-2
Molecular Formula:	C ₄₃ H ₈₃ N ₄ O ₉ P
Molecular Weight:	831.11
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (15.04 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.2032 mL	6.0161 mL	12.0321 mL
	5 mM	0.2406 mL	1.2032 mL	2.4064 mL
	10 mM	0.1203 mL	0.6016 mL	1.2032 mL

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

BIOLOGICAL ACTIVITY

Description

DSPE-N3 is a lipid. DSPE-N3 can be used for the research of various biochemical^[1]. DSPE-N3 is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

REFERENCES

[1]. Janssen, et al. Compounds for regulating trained immunity, and their methods of use. Patent. WO2022198101A1.

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

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