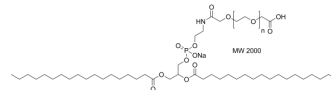


## DSPE-PEG Carboxylic acid (sodium), MW 2000

Cat. No.:	HY-141892A
CAS No.:	1403744-37-5
Molecular Formula:	$(C_2H_4O)_n C_{45}H_{86}NO_{12}P.Na$
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°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	THF : 50 mg/mL (Need ultrasonic)
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### BIOLOGICAL ACTIVITY

Description	DSPE-PEG Carboxylic acid (sodium), MW 2000 is a PEG-lipid that can be used to form micelles as nanoparticles for drug delivery. DSPE-PEG Carboxylic acid (sodium), MW 2000 increases the blood circulation time of liposomes <sup>[1]</sup> .
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### REFERENCES

[1]. Zhang M, et, al. Upregulating Aggregation-Induced-Emission Nanoparticles with Blood-Tumor-Barrier Permeability for Precise Photothermal Eradication of Brain Tumors and Induction of Local Immune Responses. *Adv Mater.* 2021 Jun;33(22):e2008802.

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

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