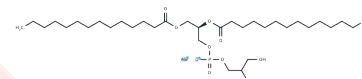


DMPG sodium

Chemical Properties

CAS No. :	200880-40-6
Formula:	C34H66NaO10P
Molecular Weight:	688.85
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	DMPG sodium is a phospholipid analog commonly used in the preparation of artificial lipid bilayers to mimic the structure and function of biological membranes. AAdrenocorticotrop hormone TFA is often used as a health indicator in blood tests.
Targets(IC50)	Others,Liposome

Solubility Information

Solubility	DMSO: 1.00 mg/mL (1.45 mM),when pH is adjusted to 6 with HCl. Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4517 mL	7.2585 mL	14.5169 mL
5 mM	0.2903 mL	1.4517 mL	2.9034 mL
10 mM	0.1452 mL	0.7258 mL	1.4517 mL
50 mM	0.029 mL	0.1452 mL	0.2903 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Momtazi-Borojeni AA, et al. Negatively-charged Liposome Nanoparticles Can Prevent Dyslipidemia and Atherosclerosis Progression in the Rabbit Model. *Curr Vasc Pharmacol.* 2022;20(1):69-76.
- Rønnest AK, et al. Structure and dynamics of water and lipid molecules in charged anionic DMPG lipid bilayer membranes. *J Chem Phys.* 2016 Apr 14;144(14):144904.

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