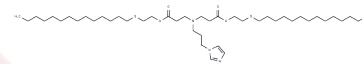


93-0175

Chemical Properties

CAS No. : 2227008-67-3
 Formula: C44H83N3O4S2
 Molecular Weight: 782.28
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	93-0175 is a chalcogen-containing cationic lipidoid. It has been used in the synthesis of lipid nanoparticles (LPNs) for the delivery of Cre recombinase and ribonucleoproteins for genome editing in mice. LPNs containing 93-0175 have been utilized for the intratumoral delivery of cGAMP to enhance cross-presentation of tumor antigens and stimulation of interferon genes [STING] activation in a B16/F10 murine melanoma model.
Targets(IC50)	Others,Liposome

Solubility Information

Solubility	Chloroform: 100 mg/mL (127.83 mM),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	1.2783 mL	6.3916 mL	12.7831 mL
5 mM	0.2557 mL	1.2783 mL	2.5566 mL
10 mM	0.1278 mL	0.6392 mL	1.2783 mL
50 mM	0.0256 mL	0.1278 mL	0.2557 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

Li, Y., Yang, T., Yu, Y., et al. Combinatorial library of chalcogen-containing lipidoids for intracellular delivery of genome-editing proteins *Biomaterials* 178:652-662 (2018)

Chen, J., Qiu, M., Ye, Z., et al. In situ cancer vaccination using lipidoid nanoparticles *Sci. Adv.* 7(19):eabf1244 (2021)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481