

(R)-HTS-3

Chemical Properties

CAS No. : 2771208-83-2

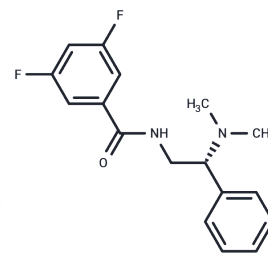
Formula: C₁₇H₁₈F₂N₂O

Molecular Weight: 304.33

Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	(R)-HTS-3, a lysophosphatidylcholinacyltransferase 3 (LPCAT3) inhibitor, remodels polyunsaturated phospholipid content in human cells and reduces RSL3-induced ferroptosis in cancer cells.
Targets(IC50)	Ferroptosis,Acyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2859 mL	16.4295 mL	32.8591 mL
5 mM	0.6572 mL	3.2859 mL	6.5718 mL
10 mM	0.3286 mL	1.643 mL	3.2859 mL
50 mM	0.0657 mL	0.3286 mL	0.6572 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

Reed A, et al. LPCAT3 Inhibitors Remodel the Polyunsaturated Phospholipid Content of Human Cells and Protect from Ferroptosis. ACS Chem Biol. 2022 Jun 17;17(6):1607-1618.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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