

LRAT-IN-1

Chemical Properties

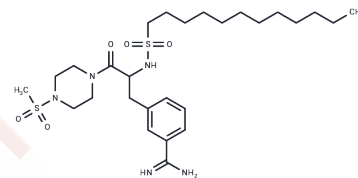
CAS No. : 2820064-05-7

Formula: C₂₇H₄₇N₅O₅S₂

Molecular Weight: 585.82

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	LRAT-IN-1 (compound 1) is an inhibitor of lecithin retinol acyltransferase (LRAT) with an IC ₅₀ value of 21.1 μM. This compound works by inhibiting the esterification of retinol to form retinyl esters, thereby increasing the availability of retinol in the skin to deliver anti-aging benefits. LRAT-IN-1 is under investigation for its potential use as an anti-aging ingredient in cosmetics.
Targets(IC ₅₀)	Others, Acyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.707 mL	8.535 mL	17.0701 mL
5 mM	0.3414 mL	1.707 mL	3.414 mL
10 mM	0.1707 mL	0.8535 mL	1.707 mL
50 mM	0.0341 mL	0.1707 mL	0.3414 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.

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