

PFM046

Chemical Properties

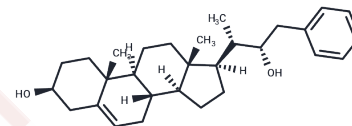
CAS No. : 3053859-57-4

Formula: C₂₉H₄₂O₂

Molecular Weight: 422.643

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	PFM046 is an antagonist of the liver X receptor (LXR), effectively inhibiting the activation of LXR α and LXR β , with IC ₅₀ values of 2.04 μ M and 1.58 μ M respectively. It reduces the expression of SCD1 and FASN while increasing ABCA1 expression, and demonstrates antitumor activity in mouse models.
Targets(IC ₅₀)	Fatty Acid Synthase, Liver X Receptor, Stearoyl-CoA Desaturase (SCD)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3661 mL	11.8304 mL	23.6608 mL
5 mM	0.4732 mL	2.3661 mL	4.7322 mL
10 mM	0.2366 mL	1.183 mL	2.3661 mL
50 mM	0.0473 mL	0.2366 mL	0.4732 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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