

TASIN-30

Chemical Properties

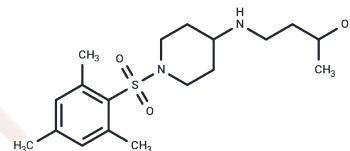
CAS No. : 1678515-93-9

Formula: C₁₈H₃₀N₂O₃S

Molecular Weight: 354.51

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	TASIN-30 is an EBP inhibitor with EC ₅₀ values of 0.097 μM for EBP competition and 50 μM for DHCR7 competition, TASIN-30 is utilized in cholesterol biosynthesis and metabolic research to dissect sterol pathway regulation, evaluate enzyme selectivity, and explore therapeutic strategies targeting dysregulated lipid metabolism in disease models.
Targets(IC ₅₀)	Cholesterol synthesis

Solubility Information

Solubility	DMSO: 80 mg/mL (225.66 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	2.8208 mL	14.104 mL	28.2079 mL
5 mM	0.5642 mL	2.8208 mL	5.6416 mL
10 mM	0.2821 mL	1.4104 mL	2.8208 mL
50 mM	0.0564 mL	0.2821 mL	0.5642 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

Panayotis C Theodoropoulos, et al. A Medicinal Chemistry-Driven Approach Identified the Sterol Isomerase EBP as the Molecular Target of TASIN Colorectal Cancer Toxins. J Am Chem Soc. 2020 Apr 1;142(13):6128-6138.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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