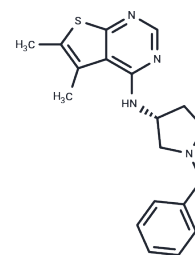


HS79

Chemical Properties

CAS No. : 2138838-56-7
 Formula: C₁₉H₂₂N₄S
 Molecular Weight: 338.47
 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	HS-79, an enantiomer of Fasnall, is a selective fatty acid synthase (FASN) inhibitor that inhibits the incorporation of tritiated acetate into lipids (IC ₅₀ : 1.57 μM).
Targets(IC ₅₀)	Others,Fatty Acid Synthase
In vitro	Fasnall, a thiophenopyrimidine, selectively targets fatty acid synthase (FASN) via its co-factor binding sites. This compound exhibits anti-proliferative effects and triggers apoptosis in breast cancer cells.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9545 mL	14.7724 mL	29.5447 mL
5 mM	0.5909 mL	2.9545 mL	5.9089 mL
10 mM	0.2954 mL	1.4772 mL	2.9545 mL
50 mM	0.0591 mL	0.2954 mL	0.5909 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

Alwarawrah Y, et al. Fasnall, a Selective FASN Inhibitor, Shows Potent Anti-tumor Activity in the MMTV-Neu Model of HER2(+) Breast Cancer. Cell Chem Biol. 2016 Jun 23;23(6):678-88.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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