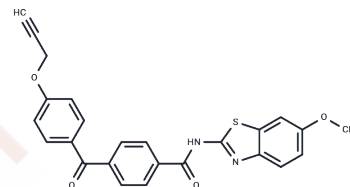


SW209049

Chemical Properties

CAS No. : 1673558-59-2
 Formula: C₂₅H₁₈N₂O₄S
 Molecular Weight: 442.49
 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	SW209049 is a stearyl-CoA 9-desaturase inhibitor. SW209049 exhibits potent activity against H2122 cell with IC ₅₀ of 0.13 μM.
Targets(IC ₅₀)	Dehydrogenase, Stearyl-CoA Desaturase (SCD)

Solubility Information

Solubility	DMSO: 9 mg/mL (20.34 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	2.2599 mL	11.2997 mL	22.5994 mL
5 mM	0.452 mL	2.2599 mL	4.5199 mL
10 mM	0.226 mL	1.130 mL	2.2599 mL
50 mM	0.0452 mL	0.226 mL	0.452 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

Williams, Noelle S.; Gonzales, Stephen; Naidoo, Jacinth; Rivera-Cancel, Giomar; Voruganti, Sukesh; Mallipeddi, Prema; Theodoropoulos, Panayotis C.; (...) Nijhawan, Deepak; Ready, Joseph M. [Journal of Medicinal Chemistry, 2020, vol. 63, # 17, p. 9773 - 9786]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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