

SUN-597

Chemical Properties

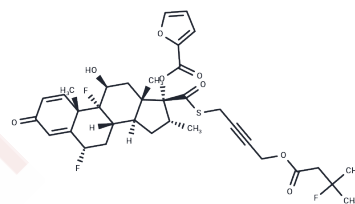
CAS No. : 1639397-97-9

Formula: C₃₅H₃₉F₃O₈S

Molecular Weight: 676.74

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

SUN-597 is a selective inhibitor targeting GSK-3 α and β isoforms, showcasing inhibition constants (K_i) of 0.3 nM and 0.05 nM, respectively. It disrupts the proliferation pathways of cells, particularly impacting cellular mechanisms implicated in neurodegenerative diseases and various forms of cancer. While demonstrating efficacy in both in vivo and in vitro studies, SUN-597 has limited water solubility, which poses challenges regarding its formulation and administration.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4777 mL	7.3884 mL	14.7767 mL
5 mM	0.2955 mL	1.4777 mL	2.9553 mL
10 mM	0.1478 mL	0.7388 mL	1.4777 mL
50 mM	0.0296 mL	0.1478 mL	0.2955 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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