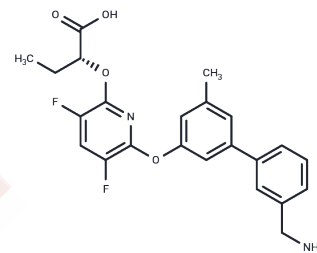


ZK824859

Chemical Properties

CAS No. : 2271122-53-1
 Formula: C₂₃H₂₂F₂N₂O₄
 Molecular Weight: 428.43
 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	ZK824859 is an orally available and selective inhibitor of urokinase plasminogen activator (uPA) with IC ₅₀ values of 79 nM for human uPA, 1580 nM for tPA, and 1330 nM for plasmin.
Targets(IC ₅₀)	Others,PAI-1,Serine Protease
In vitro	ZK824859 exhibits reduced potency and selectivity in mice compared to humans, with IC ₅₀ values of 410 nM for uPA, 910 nM for tPA, and 1600 nM for plasmin, as opposed to human IC ₅₀ values of 79 nM, 1580 nM, and 1330 nM, respectively.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3341 mL	11.6705 mL	23.341 mL
5 mM	0.4668 mL	2.3341 mL	4.6682 mL
10 mM	0.2334 mL	1.1671 mL	2.3341 mL
50 mM	0.0467 mL	0.2334 mL	0.4668 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

Islam I, et al. Discovery of selective urokinase plasminogen activator (uPA) inhibitors as a potential treatment for multiple sclerosis. *Bioorg Med Chem Lett.* 2018 Nov 1;28(20):3372-3375.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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