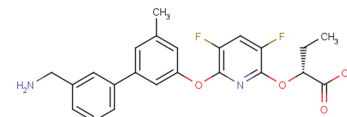


ZK824859

Chemical Properties

CAS No.: 2271122-53-1
Formula: C₂₃H₂₂F₂N₂O₄
Molecular Weight: 428.43
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	ZK824859 is an oral available and selective inhibitor of urokinase plasminogen activator (uPA)(IC ₅₀ s of 79 nM, 1580 nM and 1330 nM for human uPA, tPA, and plasmin, respectively).
Targets(IC ₅₀)	human uPA: 79 nM human tPA: 1580 nM human plasmin: 1330 nM
In vitro	ZK824859 is 5 fold less potent and has lost selectivity in mouse: uPA with IC ₅₀ of 410 nM; tPA with IC ₅₀ of 910 nM; plasmin with IC ₅₀ of 1600 nM compared to human IC ₅₀ of 79 nM, 1580 nM and 1330 nM respectively.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.334 mL	11.671 mL	23.341 mL
5 mM	0.467 mL	2.334 mL	4.668 mL
10 mM	0.233 mL	1.167 mL	2.334 mL
50 mM	0.047 mL	0.233 mL	0.467 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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