

LP-922761

Chemical Properties

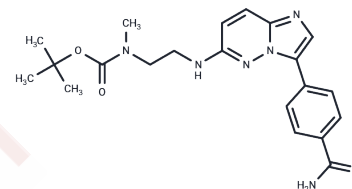
CAS No. : 1454808-95-7

Formula: C₂₁H₂₆N₆O₃

Molecular Weight: 410.47

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	LP-922761 is a potent, selective, and orally active AAK1 inhibitor with inhibitory effects on BMP-2 induced protein kinase (BIKE).
Targets(IC50)	AAK1, AAK1 (AP2 associated kinase 1)
In vivo	In mice, the brain-to-plasma ratio of LP-922761 was 0.007, indicating that LP-922761 was basically confined to the peripheral compartment[1].

Solubility Information

Solubility	DMSO: 1 mg/mL (2.44 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	2.4362 mL	12.1812 mL	24.3623 mL
5 mM	0.4872 mL	2.4362 mL	4.8725 mL
10 mM	0.2436 mL	1.2181 mL	2.4362 mL
50 mM	0.0487 mL	0.2436 mL	0.4872 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

Kostich W, et al. Inhibition of AAK1 Kinase as a Novel Therapeutic Approach to Treat Neuropathic Pain. J Pharmacol Exp Ther. 2016 Sep;358(3):371-86.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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