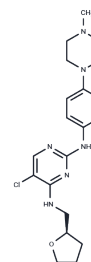


(R)-9b

Chemical Properties

CAS No. : 1655527-68-6
 Formula: C₂₀H₂₇ClN₆O
 Molecular Weight: 402.92
 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	(R)-9b is an effective inhibitor of the ACK1 tyrosine kinase (IC ₅₀ =56 nM) and exhibits anticancer activity. It selectively targets ACK1 but also inhibits kinases in the JAK family, specifically JAK2 and Tyk2. (R)-9b is used in research related to hormone-regulated cancers, such as prostate cancer and breast cancer.
Targets(IC ₅₀)	ACK1,JAK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4819 mL	12.4094 mL	24.8188 mL
5 mM	0.4964 mL	2.4819 mL	4.9638 mL
10 mM	0.2482 mL	1.2409 mL	2.4819 mL
50 mM	0.0496 mL	0.2482 mL	0.4964 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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