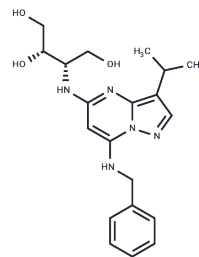


BS194

Chemical Properties

CAS No. : 1092443-55-4
 Formula: C₂₀H₂₇N₅O₃
 Molecular Weight: 385.46
 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	BS194 is as a potent cyclin-dependent protein kinases (CDKs) inhibitor.
Targets(IC50)	CDK

Solubility Information

Solubility	DMSO: 14.3 mg/mL (37.1 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	2.5943 mL	12.9715 mL	25.943 mL
5 mM	0.5189 mL	2.5943 mL	5.1886 mL
10 mM	0.2594 mL	1.2972 mL	2.5943 mL
50 mM	0.0519 mL	0.2594 mL	0.5189 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

Exploring the selectivity of a ligand complex with CDK2/CDK1: a molecular dynamics simulation approach[J]. Journal of Molecular Recognition, 2012, 25(10):504-512.
 Heathcote D A , Patel H , Kroll S H , et al. A Novel Pyrazolo[1,5-a]pyrimidine Is a Potent Inhibitor of Cyclin-Dependent Protein Kinases 1, 2, and 9, Which Demonstrates Antitumor Effects in Human Tumor Xenografts Following Oral Administration.[J]. Journal of Medicinal Chemistry, 2010, 53(24):8508-8522.

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