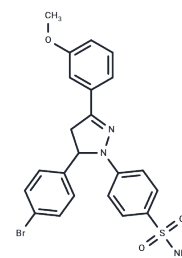


CID44216842

Chemical Properties

CAS No. : 1222513-26-9
 Formula: C₂₂H₂₀BrN₃O₃S
 Molecular Weight: 486.38
 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	CID44216842 (KUC103479N-02) is a potent Cdc42-selective guanine nucleotide binding lead inhibitor. The EC ₅₀ s for Cdc42 WT and Cdc42Q61L mutant are 1.0 and 1.2 μM in GTP binding assay, respectively. The EC ₅₀ s for Cdc42 WT and Cdc42Q61L mutant are 0.3 and 0.5 μM in GDP binding assay, respectively. Use as a molecular probe.
Targets(IC ₅₀)	CDK,Ras

Solubility Information

Solubility	DMSO: 250 mg/mL (514 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	2.056 mL	10.280 mL	20.5601 mL
5 mM	0.4112 mL	2.056 mL	4.112 mL
10 mM	0.2056 mL	1.028 mL	2.056 mL
50 mM	0.0411 mL	0.2056 mL	0.4112 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

Lin Hong, et al. Characterization of a Cdc42 Protein Inhibitor and Its Use as a Molecular Probe. J Biol Chem. 2013 Mar 22;288(12):8531-43.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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