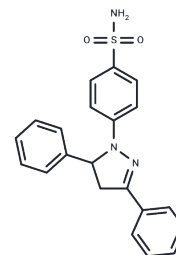


MLS-573151

Chemical Properties

CAS No. : 10179-57-4
Formula: C₂₁H₁₉N₃O₂S
Molecular Weight: 377.46
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	MLS-573151 is a selective inhibitor of GTPase Cdc42 (EC ₅₀ of 2 μM). It is inactive against other GTPases family members, such as Rab2, Rab7, H-Ras, Rac1, Rac 2 and RhoA wild-type. MLS-573151 acts by blocking the binding of GTP to Cdc42.
Targets(IC ₅₀)	CDK,Ras

Solubility Information

Solubility	DMSO: 30 mg/mL (79.48 mM) (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6493 mL	13.2464 mL	26.4929 mL
5 mM	0.5299 mL	2.6493 mL	5.2986 mL
10 mM	0.2649 mL	1.3246 mL	2.6493 mL
50 mM	0.053 mL	0.2649 mL	0.5299 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.

Reference

Fan Mao, et al. Transcriptomic Evidence Reveals the Molecular Basis for Functional Differentiation of Hemocytes in a Marine Invertebrate, *Crassostrea gigas*. Front Immunol. 2020 May 27;11:911.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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