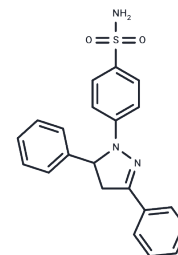


MLS-573151

## Chemical Properties

CAS No. : 10179-57-4  
 Formula: C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>S  
 Molecular Weight: 377.46  
 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	MLS-573151 is a selective inhibitor of GTPase Cdc42 (EC <sub>50</sub> 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 <sub>50</sub> )	CDK,Ras

## Solubility Information

Solubility	DMSO: 30 mg/mL (79.48 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.3 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## 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.

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

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.

Zurab Surviladze, et al. Identification of a small GTPase inhibitor using a high-throughput flow cytometry bead-based multiplex assay. *J Biomol Screen.* 2010 Jan;15(1):10-20.

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