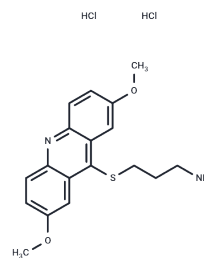


LDN-192960

## Chemical Properties

CAS No. : 184582-62-5  
 Formula: C<sub>18</sub>H<sub>20</sub>N<sub>2</sub>O<sub>2</sub>S  
 Molecular Weight: 328.43  
 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	LDN-192960 is a potent inhibitor of Haspin and DYRK2 (IC50s: 10 nM and 48 nM).
Targets(IC50)	DYRK,Haspin Kinase

## Solubility Information

Solubility	DMSO: 11.9 mg/mL (36.23 mM),Sonication is recommended. MeOH: 1 mg/mL (3.04 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 1.19 mg/mL (3.62 mM),Solution. <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	3.0448 mL	15.2239 mL	30.4479 mL
5 mM	0.609 mL	3.0448 mL	6.0896 mL
10 mM	0.3045 mL	1.5224 mL	3.0448 mL
50 mM	0.0609 mL	0.3045 mL	0.609 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

Cuny GD, et al. Structure-activity relationship study of acridine analogs as haspin and DYRK2 kinase inhibitors. Bioorg Med Chem Lett. 2010 Jun 15;20(12):3491-4.

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