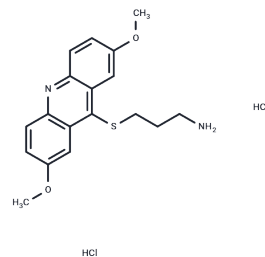


LDN-192960 hydrochloride

Chemical Properties

CAS No. :	2309172-48-1
Formula:	C ₁₈ H ₂₂ Cl ₂ N ₂ O ₂ S
Molecular Weight:	401.35
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 hydrochloride is an inhibitor of Dual-specificity Tyrosine-regulated Kinase 2 (DYRK2) and Haspin, with IC ₅₀ values of 48 nM and 10 nM, respectively.
Targets(IC ₅₀)	Others,DYRK,Haspin Kinase
In vitro	LDN-192960 hydrochloride (10 μM) inhibits ten other kinases by ≥90%, with five being potently inhibited (IC ₅₀ <1 μM), including CLK1 (IC ₅₀ =0.21 μM), DYRK1A (IC ₅₀ =0.10 μM), DYRK2 (IC ₅₀ =2 nM), DYRK3 (IC ₅₀ =19 nM), and PIM1 (IC ₅₀ =0.72 μM)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4916 mL	12.458 mL	24.9159 mL
5 mM	0.4983 mL	2.4916 mL	4.9832 mL
10 mM	0.2492 mL	1.2458 mL	2.4916 mL
50 mM	0.0498 mL	0.2492 mL	0.4983 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481