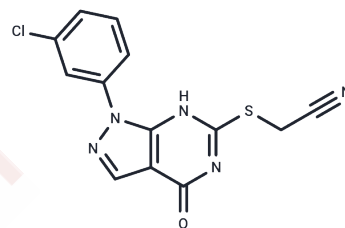


HS56

## Chemical Properties

CAS No. : 922050-57-5  
 Formula: C<sub>13</sub>H<sub>8</sub>ClN<sub>5</sub>O<sub>2</sub>  
 Molecular Weight: 317.75  
 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	HS56 is an ATP-competitive dual Pim/DAPK3 inhibitor, displaying K <sub>i</sub> values of 0.26 μM for DAPK3, 0.208 μM for Pim-3, 2.94 μM for Pim-1, and >100 μM for Pim-2. This compound effectively inhibits LC20 phosphorylation and smooth muscle contraction, and reduces blood pressure in spontaneously hypertensive mice, making it a valuable tool for hypertension research [HS-56].
Targets(IC50)	Others,DAPK,Pim
In vitro	DMP-543 (XR-543) is a KV7 channel blocker, also acts as a potent neurotransmitter release enhancer.[1][2] DMP-543 enhances [3H]ACh release in rat brain slices (EC50: 700 nM).[2]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1471 mL	15.7356 mL	31.4713 mL
5 mM	0.6294 mL	3.1471 mL	6.2943 mL
10 mM	0.3147 mL	1.5736 mL	3.1471 mL
50 mM	0.0629 mL	0.3147 mL	0.6294 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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