

MDL 72527

## Chemical Properties

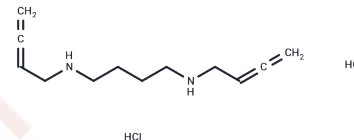
CAS No. : 93565-01-6

Formula: C<sub>12</sub>H<sub>22</sub>Cl<sub>2</sub>N<sub>2</sub>

Molecular Weight: 265.22

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	MDL 72527 (N1,N4-Di(buta-2,3-dien-1-yl)butane-1,4-diamine dihydrochloride) is a polyamine oxidase (POA) inhibitor
Targets(IC50)	Others, Monoamine Oxidase
In vivo	In the absence of CRP, exposure of platelets to MDL-72527 did not significantly modify [Ca <sup>2+</sup> ] <sub>i</sub> , P-selectin abundance, αIIbβ <sub>3</sub> integrin abundance, ROS, annexin-V-binding, and forward scatter. The addition of 2-5 μg/ml CRP was followed by significant increase of [Ca <sup>2+</sup> ] <sub>i</sub> , P-selectin abundance, αIIbβ <sub>3</sub> integrin activation, ROS abundance, annexin-V-binding, and aggregation as well as a significant decrease of forward scatter, all effects significantly blunted or virtually abolished in the presence of MDL-72527. MDL-72527 is a powerful inhibitor of platelet activation, apoptosis and aggregation[1].

## Solubility Information

Solubility	DMSO: 1.75 mg/mL (6.6 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7705 mL	18.8523 mL	37.7045 mL
5 mM	0.7541 mL	3.7705 mL	7.5409 mL
10 mM	0.377 mL	1.8852 mL	3.7705 mL
50 mM	0.0754 mL	0.377 mL	0.7541 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

Guoxing, Liu, Hang, et al. Effect of Lysosomotropic Polyamineoxidase Inhibitor MDL-72527 on Platelet Activation. [J]. Cellular Physiology & Biochemistry International Journal of Experimental Cellular Physiology Biochemistry & Pharmacology, 2016.

**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