

HTS05585

## Chemical Properties

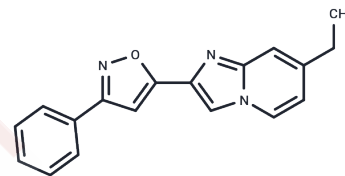
CAS No. : 696643-14-8

Formula: C<sub>18</sub>H<sub>15</sub>N<sub>3</sub>O

Molecular Weight: 289.33

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	HTS05585 (Compound Hit-1) is a selective inhibitor of macrophage migration inhibitory factor (MIF) with a K <sub>d</sub> value of 0.29 μM determined by microscale thermophoresis (MST) and confirmed through isothermal titration calorimetry (ITC) at 0.32 μM. It suppresses the release of pro-inflammatory factors (TNF-α, IL-6, IL-1β) in macrophages induced by LPS, making it a promising candidate for the study of inflammatory diseases such as sepsis.
Targets(IC50)	MIF

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4563 mL	17.2813 mL	34.5626 mL
5 mM	0.6913 mL	3.4563 mL	6.9125 mL
10 mM	0.3456 mL	1.7281 mL	3.4563 mL
50 mM	0.0691 mL	0.3456 mL	0.6913 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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Tel: 781-999-4286

E\_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481