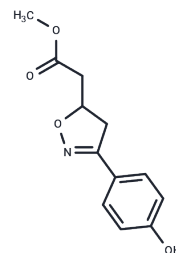


ISO-1

Chemical Properties

CAS No. :	478336-92-4
Formula:	C ₁₂ H ₁₃ NO ₄
Molecular Weight:	235.24
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	ISO-1 (MIF Antagonist) is an inhibitor of the dopachrome tautomerase activity, blocks the activation of NF-κB and TNF-α secretion from LPS-treated macrophages.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 45 mg/mL (191.29 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.251 mL	21.2549 mL	42.5098 mL
5 mM	0.8502 mL	4.251 mL	8.502 mL
10 mM	0.4251 mL	2.1255 mL	4.251 mL
50 mM	0.085 mL	0.4251 mL	0.8502 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.

Reference

- Xu L, et al. Drug Discov Today. 2013 Jun;18(11-12):592-600.
- Li S, Nie K, Zhang Q, et al. Macrophage Migration Inhibitory Factor Mediates Neuroprotective Effects by Regulating Inflammation, Apoptosis and Autophagy in Parkinson's Disease. Neuroscience. 2019, 416: 50-62
- Lubetsky JB, et al. J Biol Chem. 2002 Jul 12;277(28):24976-82.
- Al-Abed Y, et al. J Biol Chem. 2005 Nov 4;280(44):36541-4.
- Dagia NM, et al. Eur J Pharmacol. 2009 Apr 1;607(1-3):201-12.
- Li S, Nie K, Zhang Q, et al. Macrophage Migration Inhibitory Factor Mediates Neuroprotective Effects by Regulating Inflammation, Apoptosis and Autophagy in Parkinson's Disease[J]. Neuroscience. 2019.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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