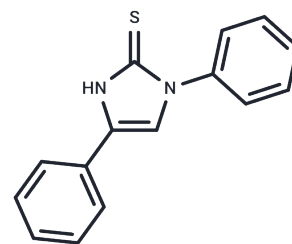


KRM-III

Chemical Properties

CAS No. : 79220-94-3
Formula: C₁₅H₁₂N₂S
Molecular Weight: 252.33
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	KRM-III is an orally active T cell antigen receptor (TCR) inhibitor with anti-inflammatory activity that potently inhibits TCR and myristate acetate/fosfomycin/ionomycin-induced NFAT nuclear factor activation and T cell proliferation, with an IC ₅₀ of approximately 5 μM.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 25.23 mg/mL (100 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	3.9631 mL	19.8153 mL	39.6306 mL
5 mM	0.7926 mL	3.9631 mL	7.9261 mL
10 mM	0.3963 mL	1.9815 mL	3.9631 mL
50 mM	0.0793 mL	0.3963 mL	0.7926 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

Jung EJ, et al. Oral administration of 1,4-aryl-2-mercaptoimidazole inhibits T-cell proliferation and reduces clinical severity in the murine experimental autoimmune encephalomyelitis model. J Pharmacol Exp Ther. 2009 Dec;331

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481