Product Data Sheet

Product Name: KRM-III
Cat. No.: GC63034

Chemical Properties

Cas. No.	79220-94-3		
Formula	$C_{15}H_{12}N_2S$	M.Wt	252.33
Solubility	DMSO : 100 mg/mL (396.31 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

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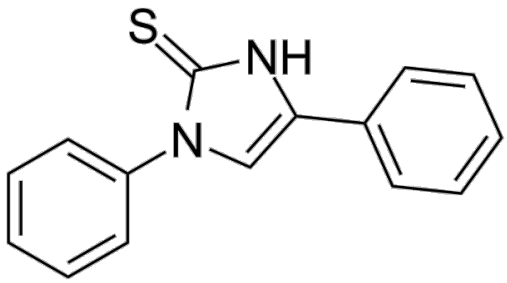
Structure



Background

KRM-III is a potent and orally active T-cell antigen receptor (TCR) inhibitor. KRM-III inhibits TCR- and phorbol myristate acetate/ionomycin-induced activation of nuclear factor of activated T cells (NFAT) and T-cell proliferation with an IC50 of ~5 μM. Anti-inflammatory activity[1].

[1]. Eun Joo Jung, 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(3):1005-13.

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