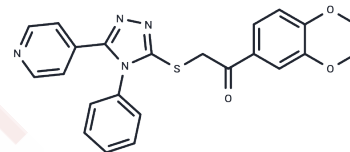


Insecticidal agent 364

Chemical Properties

CAS No. :	556055-08-4
Formula:	C ₂₃ H ₁₈ N ₄ O ₃ S
Molecular Weight:	430.48
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	Insecticidal agent 364 is a selective small molecule inhibitor of rapamycin kinase target protein. Insecticidal agent 364 has antitumor activity, and by inhibiting mTOR, Insecticidal agent 364 aims to disrupt signaling pathways involved in cancer cell growth and survival, thereby potentially inhibiting tumor growth.
Targets(IC50)	Parasite, Autophagy, mTOR

Solubility Information

Solubility	DMSO: 4.31 mg/mL (10.01 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	2.323 mL	11.6149 mL	23.2299 mL
5 mM	0.4646 mL	2.323 mL	4.646 mL
10 mM	0.2323 mL	1.1615 mL	2.323 mL
50 mM	0.0465 mL	0.2323 mL	0.4646 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

Lee, Byung Hyun, et al. Preparation of carbonylmethylthio triazoles as anthelmintic and insecticidal agents. WO2004074272 A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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