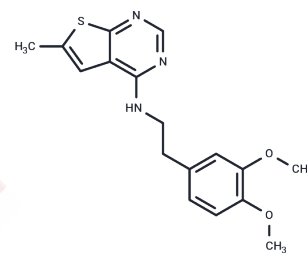


CIA-1 (Free base)

Chemical Properties

CAS No. :	452087-38-6
Formula:	C17H19N3O2S
Molecular Weight:	329.42
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	CIA-1 (Free base) is a nuclear receptor COUP-TFII inhibitor with IC50 values ranging from 1.2 μ M to 7.6 μ M in prostate cancer cell lines. CIA-1 (Free base) inhibits tumor growth in a mouse model of prostate cancer xenografts.
Targets(IC50)	Others,Gamma-secretase,Orphan Receptor

Solubility Information

Solubility	DMSO: 60 mg/mL (182.14 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	3.0356 mL	15.1782 mL	30.3564 mL
5 mM	0.6071 mL	3.0356 mL	6.0713 mL
10 mM	0.3036 mL	1.5178 mL	3.0356 mL
50 mM	0.0607 mL	0.3036 mL	0.6071 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

- Renshaw RW, et al. A hypervariable region in VP1 of chicken infectious anemia virus mediates rate of spread and cell tropism in tissue culture. *J Virol.* 1996;70(12):8872-8878.
- Hu LB, et al. Depletion of CD4+ and CD8+ T lymphocyte subpopulations by CIA-1, a chicken infectious anemia virus. *Avian Dis.* 1993;37(2):492-500.
- Matsumoto T, et al. Characterization of CIA-1, an Ambler class A extended-spectrum β -lactamase from *Chryseobacterium indologenes*. *Antimicrob Agents Chemother.* 2012;56(1):588-590.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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