

Cot inhibitor-1 hydrochloride

Chemical Properties

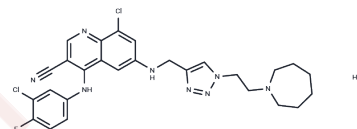
CAS No. :

Formula: C₂₇H₂₈Cl₃FN₈

Molecular Weight: 589.92

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	Cot inhibitor-1 hydrochloride is an inhibitor of tumor progression loci-2 kinase (IC ₅₀ = 28 nM) and inhibits the production of TNF- α in human whole blood (IC ₅₀ = 5.7 nM).
Targets(IC ₅₀)	MAPK, TNF

Solubility Information

Solubility	DMSO: 50 mg/mL (84.76 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	1.6951 mL	8.4757 mL	16.9515 mL
5 mM	0.339 mL	1.6951 mL	3.3903 mL
10 mM	0.1695 mL	0.8476 mL	1.6951 mL
50 mM	0.0339 mL	0.1695 mL	0.339 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

Junjun Wu, et al. Selective inhibitors of tumor progression loci-2 (Tpl2) kinase with potent inhibition of TNF- α production in human whole blood. *Bioorg Med Chem Lett*. 2009 Jul 1;19(13):3485-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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