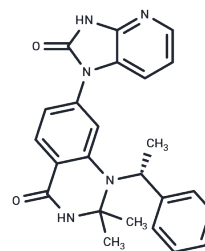


PKCTheta-IN-2

Chemical Properties

CAS No. :	1810742-60-9
Formula:	C ₂₄ H ₂₃ N ₅ O ₂
Molecular Weight:	413.47
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	PKCTheta-IN-2 (compound 14) is a potent and selective PKC θ inhibitor (IC ₅₀ = 0.25 nM) that suppresses IL-2 production in mice (IC ₅₀ = 682 nM).
Targets(IC ₅₀)	PKC

Solubility Information

Solubility	DMSO: 100 mg/mL (241.86 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	2.4186 mL	12.0928 mL	24.1856 mL
5 mM	0.4837 mL	2.4186 mL	4.8371 mL
10 mM	0.2419 mL	1.2093 mL	2.4186 mL
50 mM	0.0484 mL	0.2419 mL	0.4837 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

Kato T, Takai T, Yukawa T, et al. Discovery and optimization of 1,7-disubstituted-2,2-dimethyl-2,3-dihydroquinazolin-4(1H)-ones as potent and selective PKC θ inhibitors. *Bioorg Med Chem*. 2016;24(11):2466-2475.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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