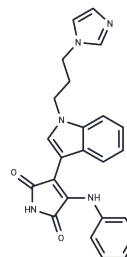


PKC β inhibitor 1

Chemical Properties

CAS No. :	257879-35-9
Formula:	C ₂₄ H ₂₁ N ₅ O ₂
Molecular Weight:	411.46
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	PKC β inhibitor 1 (KUN79359)(KUN79359) is a potent, selective and ATP-competitive inhibitor of PKC isozymes(IC ₅₀ s of 21 and 5 nM for human PKC β 1 and PKC β 2, respectively).
Targets(IC ₅₀)	Apoptosis,PKC

Solubility Information

Solubility	DMSO: 4.12 mg/mL (10.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.43 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4304 mL	12.1518 mL	24.3037 mL
5 mM	0.4861 mL	2.4304 mL	4.8607 mL
10 mM	0.243 mL	1.2152 mL	2.4304 mL
50 mM	0.0486 mL	0.243 mL	0.4861 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

Saba N S , Levy L S . Protein Kinase C-Beta Inhibition Induces Apoptosis and Inhibits Cell Cycle Progression in Acquired Immunodeficiency Syndrome-Related Non-Hodgkin Lymphoma Cells[J]. Journal of Investigative Medicine, 2012, 60(1):29-.

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Nikolai, Pakhomov, Ksenia, et al. Negative inotropic effects of diadenosine tetraphosphate are mediated by protein kinase C and phosphodiesterases stimulation in the rat heart[J]. European Journal of Pharmacology An International Journal, 2018.

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