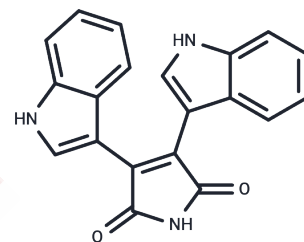


Bisindolylmaleimide IV

Chemical Properties

CAS No. :	119139-23-0
Formula:	C ₂₀ H ₁₃ N ₃ O ₂
Molecular Weight:	327.34
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	Bisindolylmaleimide IV is a protein kinase C (PKC) cell permeable inhibitor(IC ₅₀ : 0.10 - 0.55 μM)
Targets(IC ₅₀)	PKC,Virus Protease

Solubility Information

Solubility	DMSO: 3.28 mg/mL (10.02 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 (3.05 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	3.0549 mL	15.2746 mL	30.5493 mL
5 mM	0.611 mL	3.0549 mL	6.1099 mL
10 mM	0.3055 mL	1.5275 mL	3.0549 mL
50 mM	0.0611 mL	0.3055 mL	0.611 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

Toullec D , Pianetti P , Coste H , et al. The bisindolylmaleimide GF 109203X is a potent and selective inhibitor of protein kinase C.[J]. Journal of Biological Chemistry, 1991, 24(24):15771-15781.

Davis P D , Hill C H , Lawton G , et al. Inhibitors of protein kinase C. 1. 2,3-bisarylmaleimides[J]. Journal of Medicinal Chemistry, 1992, 35(1):177-184.

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