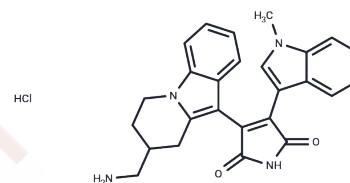


Bisindolylmaleimide X hydrochloride

Chemical Properties

CAS No. :	145317-11-9
Formula:	C ₂₆ H ₂₅ ClN ₄ O ₂
Molecular Weight:	460.96
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 X hydrochloride (BIM-X hydrochloride) is a potent and selective PKC inhibitor and a CDK2 antagonist with an IC ₅₀ of 200 nM.
Targets(IC ₅₀)	CDK,PKC

Solubility Information

Solubility	DMSO: 20.83 mg/mL (45.19 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: 2 mg/mL (4.34 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	2.1694 mL	10.8469 mL	21.6939 mL
5 mM	0.4339 mL	2.1694 mL	4.3388 mL
10 mM	0.2169 mL	1.0847 mL	2.1694 mL
50 mM	0.0434 mL	0.2169 mL	0.4339 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

Brehmer D, et al. Proteome-wide identification of cellular targets affected by bisindolylmaleimide-type protein kinase C inhibitors. Mol Cell Proteomics. 2004 May;3(5):490-500.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481