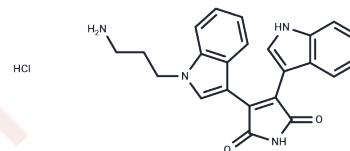


Bisindolylmaleimide III hydrochloride

Chemical Properties

CAS No. :	683775-59-9
Formula:	C ₂₃ H ₂₁ ClN ₄ O ₂
Molecular Weight:	420.89
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 III hydrochloride is a potent, highly selective protein kinase C (PKC) inhibitor. By competitively binding to the ATP pocket within the PKC catalytic domain, it completely blocks substrate phosphorylation cascades, widely used to investigate immune cell activation and tumor clonal proliferation mechanisms.
Targets(IC50)	PKC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3759 mL	11.8796 mL	23.7592 mL
5 mM	0.4752 mL	2.3759 mL	4.7518 mL
10 mM	0.2376 mL	1.188 mL	2.3759 mL
50 mM	0.0475 mL	0.2376 mL	0.4752 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

Cameron A J M, Escibano C, Saurin A T, et al. PKC maturation is promoted by nucleotide pocket occupation independently of intrinsic kinase activity[J]. Nature structural & molecular biology, 2009, 16(6): 624-630.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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