
Product Data Sheet

Product Name: Bisindolylmaleimide III

Cat. No.: GC18588

Chemical Properties

Cas. No. 137592-43-9

Chemical Name 3-[1-(3-aminopropyl)-1H-indol-3-yl]-4-(1H-indol-3-yl)-1H-pyrrole-2,5-dione

SMILES O=C(NC1=O)C(C2=CNC3=C2C=CC=C3)=C1C4=CN(CCCN)C5=CC=CC=C54Formula $C_{23}H_{20}N_4O_2$ M.Wt 384.4

Solubility DMSO: soluble, Methanol: soluble Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Bisindolylmaleimide III was developed as a protein kinase C (PKC) inhibitor with structural similarity to the nonspecific PKC inhibitor staurosporine. At 1 μ M, bisindolylmaleimide III inhibits 93% of PKC α kinase activity and also inhibits many other protein kinases including, S6K1, MAPKAP-K1, RSK2 and MSK1 with similar potency. Additionally, it inhibits PDK1, an important kinase in the insulin signaling pathway, with an IC50 value of 3.8 μ M.

Caution: Product has not been fully validated for medical applications. For research use only.

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