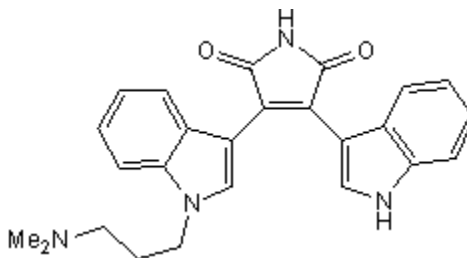


GF 109203X

Cat. No. 0741



Alternative Names: Gö 6850, Bisindolylmaleimide I

Chemical Name: 2-[1-(3-Dimethylaminopropyl)indol-3-yl]-3-(indol-3-yl) maleimide

Biological Activity

Very potent and selective inhibitor of protein kinase C, selective for the α and β 1 isoforms (IC_{50} values are 0.0084, 0.0180, 0.210, 0.132, and 5.8 μ M for α , β 1, δ , ϵ and ζ isoforms respectively). Selective over MLCK, PKG and PKA (IC_{50} values are 0.6, 4.6, and 33 μ M respectively). Potent antagonist at the 5-HT₃receptor (K_i = 29.5 nM). Anti-inflammatory *in vivo*. Also available as part of the [Mixed Kinase Inhibitor Tocriset™](#).

Technical Data

M.Wt:

412.49

Purity:

>98 %

Formula:

C₂₅H₂₄N₄O₂

Storage:

Store at RT

Solubility:

Soluble to 25 mM in DMSO

CAS No:

133052-90-1

The technical data provided above is for guidance only.

For batch specific data refer to the Certificate of Analysis.

References

Toullec *et al* (1991) The bisindolylmaleimide GF 109203X is a potent and selective inhibitor of protein kinase C. *J.Biol.Chem.* **266** 15771.

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Martiny-Baron *et al* (1993) Selective inhibition of protein kinase C isozymes by the indolocarbazole Go 6976. *J.Biol.Chem.* **268** 9194.

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Jacobson *et al* (1995) Anti-inflammatory properties of Go 6850: a selective inhibitor of protein kinase C. *J.Pharmacol.Exp.Ther.* **275** 995.

PMID: [7473193](#).

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Coultrap *et al* (1999) Competitive antagonism of the mouse 5-hydroxytryptamine₃ receptor by bisindolylmaleimide I, a "selective" protein kinase C inhibitor. *J.Pharmacol.Exp.Ther.* **290** 76. PMID: [10381762](#).

Jiang *et al* (2011) Heat shock protein 90-mediated inactivation of nuclear factor- κ B switches autophagy to apoptosis through *becn1* transcriptional inhibition in selenite-induced NB4 cells. *Mol.Biol.Cell.* **22** 1167. PMID:[21346199](#).

If you know of a relevant citation for this product [please let us know](#).

Keywords: GF 109203X, supplier, Protein, kinase, C, inhibitors, PKC, PKM, Kinase, Kinases, alpha, beta, α , β , GF109203X, Go6850, Go, 6850

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