Catalog # 10-1026

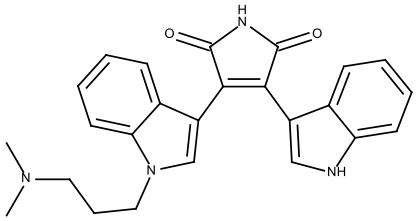
GF-109203x

CAS# 133052-90-1

2-[1-(3-Dimethylaminopropyl)indol-3-yl]-3-(indol-3-yl) maleimide;

Gö 6850; Bisindolylmaleimide I

Lot # A101210



Potent and selective protein kinase C inhibitor (IC_{50} = 10 nM; cAMP-dependent protein kinase IC_{50} = 2 µM and phosphorylase kinase IC_{50} = 0.7 µM). Inactive against the tyrosine kinases EGFR, PGDFR and Insulin receptor. Potent inhibitor of GSK-3β in cell lysates (IC_{50} = 360nM) and GSK-3β immunoprecipitates (IC_{50} = 170nM) derived from rat epididymal adipocytes.[2] Potent inhibitor of the ligand-gated ion channel 5-HT_3 (IC_{50} = 29 nM).[3] Cell permeable.

1) Toullec, *et al*. (1991*), The bisindolylmaleimide GF 109203X is a potent and selective inhibitor of protein kinase C*. J Biol Chem **266** 15771
2) Hers, et al., , (1999*) The protein kinase C inhibitors bisindolylmaleimide I (GF 109203x) and IX (Ro 31-8220) are potent inhibitors of glycogen synthase kinase-3 activity*. FEBS Lett*.* **460** 433
3) 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

PHYSICAL DATA

Molecular Weight:	412.49
Molecular Formula:	$C_{25}H_{24}N_4O_2$
Purity:	>98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 10 mg/ml)
Physical Description:	Orange solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO may be stored at -20°C for up to 6 months.

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