

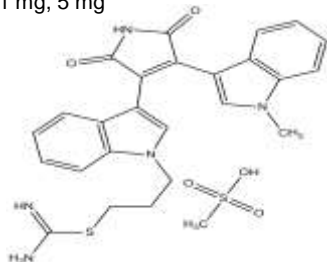
Ro 31-8220 methanesulfonate

ALTERNATE NAME: 2-{1-[3-(Amidinothio)propyl]-1H-indol-3-yl}-3-(1-methylindol-3-yl)maleimide methanesulfonate; Bisindolylmaleimide IX methanesulfonate; BIM IX

CATALOG #: 1946-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₅H₂₃N₅O₂S·CH₄O₃S

MOLECULAR WEIGHT: 553.65

CAS NUMBER: 138489-18-6

APPEARANCE: Red solid

SOLUBILITY: DMSO (~ 100 mg/ml) or water (~ 5 mg/ml)

PURITY: ≥98% by NMR

STORAGE: Store at -20 °C. Protect from light and air

DESCRIPTION: Cell-permeable. A potent bisindolylmaleimide inhibitor of protein kinase C (PKC) isoforms (IC₅₀ = 5, 24, 14, 27, and 24 nM for PKC-α, PKC-βI, PKC-βII, PKC-γ, and PKC-ε, respectively). It inhibits protein kinase A (PKA) (IC₅₀ = 0.9 μM) and calcium/calmodulin kinase II (IC₅₀ = 17 μM) at much higher concentrations. Also inhibits glycogen synthase kinase-3 (GSK-3) (IC₅₀ = 6.8 nM).

REFERENCE: Hers, I., et al. (1999). *FEBS Lett.* **460**, 433-436; Wilkinson, S.E., et al. (1993). *Biochem. J.* **294**, 335-337.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Bisindolylmaleimide I (**Cat. No. 1945-1, 5**)
- Bisindolylmaleimide I hydrochloride (**Cat. No. 1947-1, 5**)
- Enzastaurin (LY317615)(**Cat. No. 1619-1,5**)
- Gö 6976 (**Cat. No. 1711-500**)
- EZSolution™ Gö 6976 (**Cat. No. 1785-500**)
- H-89 Dihydrochloride (**Cat. No. 1768-1,5**)
- Staurosporine (**Cat. No. 1048-01,1**)
- EZSolution™ Staurosporine (**Cat. No. 1745-01**)
- Tamoxifen Citrate (**Cat. No. 1551-1000**)