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DATASHEET

Bisindolylmaleimide VIII

Product overview

Name	Bisindolylmaleimide VIII
Cat No	HB0141
Biological action	Inhibitor
Purity	>98%
Description	Potent, selective PKC inhibitor

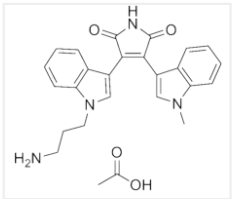
Biological Data

Biological description	Potent and selective protein kinase C inhibitor (IC_{50} = 158 nM). Displays selectivity for PKC-α over PKC-β_1, PKC-β_{II}, PKC-γ and PKC-ε (IC_{50} values are 53, 195, 163, 213, 175 nM respectively). Facilitates Fas-mediated apoptosis and enhances DR5 mediated apoptosis. Also CDK2 antagonist (IC_{50} = 600 nM).

Solubility & Handling

Solubility overview	Soluble in DMSO or water
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	Ro 31-7549 acetate
Molecular Weight	458.6
Chemical structure	
Molecular Formula	$C_{24}H_{22}N_4O_2.C_2H_4O_2$
CAS Number	138516-31-1
PubChem identifier	9868770
SMILES	CC(=O)O.CN1C=C(C2=CC=CC=C21)C3=C(C(=O)NC3=O)C4=CN(C5=CC=CC=C54)CCCN

References

Bisindolylmaleimide VIII facilitates Fas-mediated apoptosis and inhibits T cell-mediated autoimmune diseases.

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Isoenzyme specificity of bisindolylmaleimides, selective inhibitors of protein kinase C.

Wilkinson SE *et al* (1993) Biochem J 294 (Pt 2)

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Bisindolylmaleimide VIII enhances DR5-mediated apoptosis through the MKK4/JNK/p38 kinase and the mitochondrial pathways.

Ohtsuka T *et al* (2002) J Biol Chem 277(32)
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Proteome-wide identification of cellular targets affected by bisindolylmaleimide-type protein kinase C inhibitors.

Brehmer D *et al* (2004) Mol Cell Proteomics 3(5)
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