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DATASHEET

Bisindolylmaleimide V

Product overview

Name	Bisindolylmaleimide V
Cat No	HB0138
Biological action	Inhibitor
Description	Selective PKC / S6K inhibitor

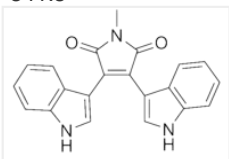
Biological Data

Biological description	Selective protein kinase C (PKC) inhibitor. Displays low affinity for muscarinic 1 receptor ($K_d = 100 \mu\text{M}$). Also mitogen-stimulated protein kinase p70 ^{s6k} /p85 ^{s6k} (S6K) inhibitor ($\text{IC}_{50} = 8.0 \mu\text{M}$). Displays cytoprotective effects
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Solubility & Handling

Solubility overview	Soluble in DMSO or methanol
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

Molecular Weight	341.3
Chemical structure	
Molecular Formula	$\text{C}_{21}\text{H}_{15}\text{N}_3\text{O}_2$
CAS Number	113963-68-1
PubChem identifier	0
SMILES	<chem>CN1C(=O)C(=C(C1=O)c2c[nH]c3ccccc23)c4c[nH]c5ccccc45</chem>

References

Bisindolylmaleimide I and V inhibit necrosis induced by oxidative stress in a variety of cells including neurons.

Asakai R *et al* (2002) *Neurosci Res* 44(3)

PubMedID [12413658](#)

Ro 31-6045, the inactive analogue of the protein kinase C inhibitor Ro 31-8220, blocks in vivo activation of p70(s6k)/p85(s6k): implications for the analysis of S6K signalling.

Marmy-Conus N *et al* (2002) *FEBS Lett* 519(1-3)

PubMedID [12023032](#)

Muscarinic interactions of bisindolylmaleimide analogues.

Lazareno S *et al* (1998) Eur J Pharmacol 360(2-3)

PubMedID

[9851596](#)

The bisindolylmaleimide GF 109203X is a potent and selective inhibitor of protein kinase C.

Toullec D *et al* (1991) J Biol Chem 266(24)

PubMedID

[1874734](#)
