Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com

DATASHEET

Bisindolylmaleimide V

Product overview

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

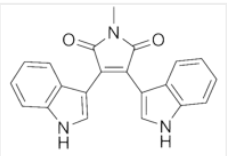
Biological Data

Biological description	Selective protein kinase C (PKC) inhibitor. Displays low affinity for muscarinic 1 receptor (K_d = 100 µM). Also mitogen-stimulated protein kinase $p70^{s6k}$/$p85^{s6k}$ (S6K) inhibitor (IC_{50} = 8.0 µM). Displays cytoprotective effects

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	$C_{21}H_{15}N_3O_2$
CAS Number	113963-68-1
PubChem identifier	0
SMILES	CN1C(=O)C(=C(C1=O)c2c[nH]c3ccccc23)c4c[nH]c5ccccc45

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