

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

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

customercare-usa@m2stage.hellobio.com



DATASHEET

Bisindolylmaleimide IV

Product overview

Name	Bisindolylmaleimide IV
Cat No	HB0137
Biological action	Inhibitor
Purity	>98%
Description	Selective, non-competitive PKC / PKA inhibitor

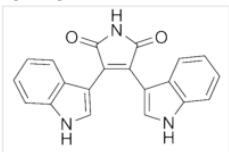
Biological Data

Biological description	Selective and non-competitive protein kinase C (PKC) inhibitor ($IC_{50} = 0.1 \mu M$). Also inhibits protein kinase A (PKA) ($IC_{50} = 2.0 \mu M$). Blocks PLC/PKC signalling to block melatonin-induced potentiation of glycine currents in the retina.
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Solubility & Handling

Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.
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Chemical Data

Chemical name	Arcyriarubin A
Molecular Weight	327.34
Chemical structure	
Molecular Formula	$C_{20}H_{13}N_3O_2$
CAS Number	119139-23-0
PubChem identifier	2399
SMILES	<chem>C1=CC=C2C(=C1)C(=CN2)C3=C(C(=O)NC3=O)C4=CC=CC=C5C4=CC=CC=C5</chem>

References

Inhibitors of protein kinase C. 1. 2,3-Bisarylmaleimides.

Davis PD *et al* (1992) J Med Chem 35(1)

PubMedID [1732526](#)

Active site inhibitors protect protein kinase C from dephosphorylation and stabilize its mature form.

Gould CM *et al* (2011) J Biol Chem 286(33)

PubMedID [21715334](#)

Protein kinase C masks nitric oxide synthase activity in vascular smooth muscle under basal conditions.

Kline LW *et al* (2004) J Cardiovasc Pharmacol 43(2)

PubMedID

14716218

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
