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DATASHEET

Apoptosis Activator 2

Product overview

Name	Apoptosis Activator 2
Cat No	HB1293
Biological action	Activator
Purity	>99%
Description	Caspase activator. Apoptosis inducer.

Biological Data

Biological description	Cytochrome C-dependent caspase activator. Increases Apaf-1 oligomerization forming apoptosomes. Activates caspase-3 following caspase-9 activation. Induces PARP cleavage and DNA fragmentation. Shows apoptotic and anti-cancer actions.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in ethanol (5mM) or DMSO (100mM)
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	1-[(3,4-Dichlorophenyl)methyl]-1H-indole-2,3-dione
Molecular Weight	306.14
Chemical structure	
Molecular Formula	C ₁₅ H ₉ Cl ₂ NO ₂
CAS Number	79183-19-0
PubChem identifier	1901244
SMILES	C1C1=CC=C(CN2C(=O)C(=O)C3=CC=CC=C23)C=C1Cl
InChiKey	KGRJPLRFGLMQMV-UHFFFAOYSA-N

References

Direct activation of the apoptosis machinery as a mechanism to target cancer cells.

Nguyen JT *et al* (2003) Proc Natl Acad Sci U S A 100(13)

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Nano - drug Delivery of Apoptosis Activator 2 to AGS Cells by Liposomes Conjugated with Anti-TROP2 Antibody.

Farivar TN *et al* (2012) N Am J Med Sci 4(11)

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Elevated P75NTR expression causes death of engrailed-deficient midbrain dopaminergic neurons by Erk1/2 suppression.

Alavian KN *et al* (2009) Neural Dev 4

