

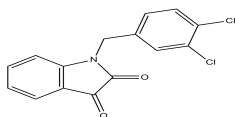
Product: Apoptosis activator 2

ALTERNATE NAME: 1-[(3,4-dichlorophenyl)methyl]indole-2,3-dione

CATALOG #: 2784-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₅H₉Cl₂NO₂

MOLECULAR WEIGHT: 306.14

CAS NUMBER: 79183-19-0

APPEARANCE: Orange solid

SOLUBILITY: DMSO (~ 30 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: Apoptosis activator 2 is a cell-permeable apoptosis activator that promotes the cytochrome c-dependent oligomerization of Apaf-1 into the mature apoptosome. Increases procaspase-9 processing and subsequent caspase-3 activation. Induces apoptosis in tumor cells (IC₅₀ = 4 - 9 μM for leukemia cells) with weak or no effect on normal cell lines or those defective/deficient in Apaf-1, caspase-9 or caspase-3 activity (IC₅₀ > 40 μM).

REFERENCES: Nguyen, J.T., and Wells, J.A. (2003). *Proc. Natl. Acad. Sci. USA* **100**, 7533-7538.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Actinomycin D (Cat. No. 1036-50, 50MG, 5MG)

Anisomycin (Cat. No. 1549-10)

BAM7 (Cat. No. 2451-5, 25)

Berberine chloride (Cat.No. 1830-100, 500)

Brefeldin A (Cat. No. 1560-5, 50)

Camptothecin (Cat. No. 1039-1, 100, 50MG, 500MG)

Carboplatin (Cat. No. 1553-100)

Colchicine (Cat. No.1519-1000)

Cycloheximide (Cat. No. 1041-1, 1G)

Cyclosporine A (Cat. No. 1522-100)

Daunorubicin HCl (Cat. No. 1524-10, 50, 500)

Dexamethasone (Cat. No. 1042-1, 1G, 10G)

Doxorubicin HCl (Cat. No. 1527-5)

Etoposide (Cat. No. 1043-100, 25Mg, 250MG)

Gambogic acid (Cat. No. 2785-5, 25)

LY573636 (Cat. No. 2297-5, 25)

PAC-1 (Cat. No. 1654-10)

Ready-to-Use Apoptosis Inducer Set (Cat. No. K121-5)

FOR RESEARCH USE ONLY! Not to be used on humans.