## Apoptosis activator 2

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

**CATALOG #:** 2784-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**

![Structure of Apoptosis activator 2](image)

**MOLECULAR FORMULA:** C₁₉H₁₆Cl₂NO₂

**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).


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

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

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### 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)

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