PRODUCT: Raptinal

ALTERNATE NAME: 9H, 9'H-[9,9'-bifluorene]-9,9'-dicarbaldehyde

CATALOG #: 9626-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:

MOLECULAR FORMULA: C_{28}H_{18}O_{2}

MOLECULAR WEIGHT: 386.44

CAS NUMBER: 1176-09-6

APPEARANCE: Beige solid

SOLUBILITY: DMSO (>10 mM)

PURITY: ≥98% by HPLC

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

DESCRIPTION: Raptinal is a rapid inducer of apoptosis. Consistent with apoptotic morphological changes, U-937 cells treated with 10 μM Raptinal displays modest (at 30 min) and extensive (at 60 min) blebbing. Consistent with caspase-dependent apoptosis, the pan-caspase inhibitor Q-VD-OPh (Cat. No. 1170) quantitatively blocks the loss in cell viability and cellular blebbing. Raptinal is also found to induce death against various cancer and non-cancerous cell lines with 24 hour IC_{50} values between 0.7-3.4 μM indicating activity across a wide variety of cell lines.


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)
- Apoptosis activator 2 (Cat. No. 2784-5, 25)
- BAM7 (Cat. No. 2451-5, 25)
- Berberine chloride (Cat.No. 1830-100, 500)
- Bioymlfi (Cat. No. 9424-5,25)
- 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 HCI (Cat. No. 1524-10, 50, 500)
- Dexamethasone (Cat. No. 1042-1, 1G, 10G)
- Doxorubicin HCI (Cat. No. 1527-5)
- Etoposide (Cat. No. 1043-100, 25Mg, 250MG)
- LY573636 (Cat. No. 2297-5, 25)
- PAC-1 (Cat. No. 1654-10)
- Ready-to-Use Apoptosis Inducer Set (Cat. No. K121-5)

USAGE: FOR RESEARCH USE ONLY! Not to be used in humans