

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:** C₂₈H₁₈O₂**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 IC₅₀ values between 0.7-3.4 μM indicating activity across a wide variety of cell lines.

REFERENCE: Palchaudhuri, R., *et al.* (2015). *Cell Reports* **13**, 2027-2036.**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)

Bioymifi (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 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)

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**