

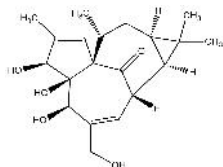
**Product: Ingenol**

**ALTERNATE NAME:** (1aR,2S,5R,5aR,6S,8aS,9R,10aR)-1a,2,5,5a,6,9,10,10a-octahydro-5,5a,6-trihydroxy-4-(hydroxymethyl)-1,1,7,9-tetramethyl-1H-2,8a-methanocyclopenta[a]cyclopropa[e]cyclodecen-11-one

**CATALOG #:** 2527-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>20</sub>H<sub>28</sub>O<sub>5</sub>

**MOLECULAR WEIGHT:** 348.44

**CAS No.** 30220-46-3

**APPEARANCE:** Pale yellow solid

**SOLUBILITY:** DMSO or EtOH

**PURITY:** >98% by HPLC

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

**DESCRIPTION:** Ingenol is a diterpenoid related to phorbol that acts as a weak protein kinase C (PKC) activator that displays a K<sub>i</sub> value of 30 μM and an ED<sub>50</sub> value of 27 μM in vitro. Most ingenol esters are tumor-promoting. However, ingenol mebutate possesses anti-tumor activity when used topically for actinic keratosis.

**REFERENCES:** Hasler, C.M., *et al.* (1992). *Cancer Res.* **52**, 202-208.

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

**RELATED PRODUCTS:**

A-769662 (**Cat. No. 1719-5**)

AICAR (**1687-50, 250**)

AMPK Activator, D-942 (**Cat. No. 2341-1, 5**)

Anisomycin (**Cat. No. 1549-10**)

Aurintricarboxylic acid (**Cat. No. 1506-1000**)

Bryostatin 1 (**Cat. No. 2513-50, 250**)

Cordycepin (**Cat. No. 2078-10, 50**)

8-Br-cAMP (**Cat. No. 1837-5, 25**)

8-Br-cGMP (**Cat. No. 1838-5, 25**)

Metformin hydrochloride (**Cat. No. 1691-5G**)

Phenformin hydrochloride (**Cat. No. 1889-100, 1000**)

Phorbol-12-myristate-13-acetate (**Cat. No. 1544-5**)

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