Ingenol 3,20-dibenzoate

PKC activator

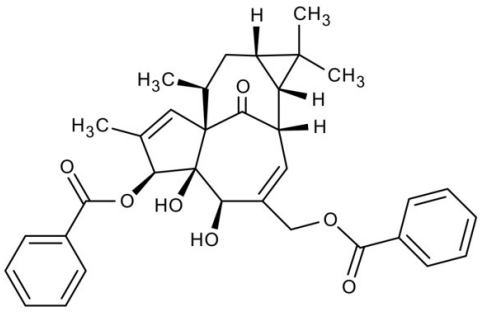
Ingenol is a diterpenoid related to phorbol. Activates protein kinase C (PKC) and competes with [^{3}H]phorbol dibutyrate for binding to PKCα (K_i for binding=240 nM). Induces apoptosis. Anticancer agent. Shows potent antileukemic activity in the P388 mouse assay. Displays unusually high mouse ear inflammatory activity, even though the 20-hydroxy group is blocked with a benzoate ester. It appears likely that this high potency is due to metabolic cleavage of the 20-benzoate group, which releases the more potent ingenol 3-benzoate.

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Ordering Information Order Online »

BML-PE186-0001	1mg

Manuals, SDS & CofA View Online »


H
CH3
H3C
CH3
O
H
H3C
H
O
O
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HO
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O

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	IDB
Appearance	White solid.
CAS	59086-90-7
Couple Target	PKC
Couple Type	Activator
Formula	$C_{34}H_{36}O_7$
MW	556.7
Purity	≥97%
Solubility	Soluble in DMSO (20mg/ml) or ethanol (20mg/ml).

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