

Catalog	Unit
TBI1244- 1MG	1 mg
TBI1244- 5MG	5 mg

### Product Details

**Formal Name:** [(1S,4S,5S,6R,9S,10R,12R,14R)-5,6-dihydroxy-7-(hydroxymethyl)-3,11,11,14-tetramethyl-15-oxo-4-tetracyclo[7.5.1.01,5.010,12]pentadeca-2,7-dienyl] (Z)-2-methylbut-2-enoate

**Alternate Names:** PEP-005

**Molecular Formula:** C<sub>25</sub>H<sub>34</sub>O<sub>6</sub>

**Formula Weight:** 460.53

**CAS Number:** 10-1244

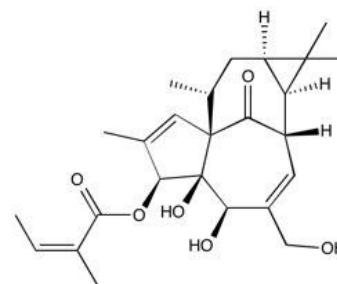
**Purity:** 98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 5 mg/ml) or in Ethanol (up to 4 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

PKC activator

### Functions

Ingenol-3-angelate (75567-37-2) is a selective activator of protein kinase C which displays antileukemic activity mediated via PKCδ. In contrast, it provides a strong survival signal to resting and activated human T cells via activation of PKC and downstream activation of NFκB. Treatment of subcutaneous tumors results in anti-cancer CD8 T cells, also displays adjuvant activity and synergizes with cancer immunotherapies. Induces senescence-like growth arrest in solid tumor cells. Inhibits HIV-1 infection at an early pathway of viral entry.

### Application Procedures

First dissolved in DMSO (5 mg/ml) or ethanol (4 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

### Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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