

Catalog	Unit
TBI2631- 1MG	1 mg
TBI2631- 5MG	5 mg

Product Details

Formal Name: (3bS,4aS,5aS,6R,6aR,7aS,7bS,8aS,8bS)-3b,4,4a,6,6a,7a,7b,8b,9,10-Decahydro-6-hydroxy-8b-methyl-6a-(1-methylethyl)trioxireno[4b,5:6,7:8a,9]phenanthro[1,2-c]furan-1(3H)-one

Alternate Names: PG490

Molecular Formula: C₂₀H₂₄O₆

Formula Weight: 360.40

CAS Number: 38748-32-2

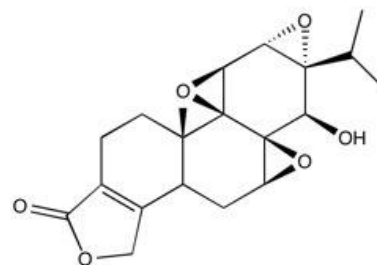
Purity: 98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 7 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

NFkB transcriptional activation inhibitor

Functions

Triptolide (38748-32-2) possesses potent immunosuppressive and anti-inflammatory activity. Irreversibly inhibits eukaryotic transcription via covalent binding to XPB, a subunit of the transcription factor TFIIH. Blocks transactivation of NFkB. Exhibits potent antiproliferative activity in 60 cancer cell lines (average IC₅₀ = 12 nM) and synergizes with other anticancer agents. Inhibits the inflammatory response and remarkably decreases production of TNF-a, IL-1b and IL-6 in a rat model of rheumatoid arthritis.

Application Procedures

First dissolved in DMSO (7 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

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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