

Catalog	Unit
TBI1404 - 1MG	1 mg
TBI1404 - 5MG	5 mg

Product Details

Formal Name: (5 β)-2 β ,3 β ,14,20,22R-pentahydroxy-cholest-7-en-6-one

Alternate Names: 25-Deoxy-2-hydroxyecdysone; 25-deoxyecdysterone

Molecular Formula: C₂₇H₄₄O₆

Formula Weight: 464.6

CAS Number: 13408-56-5

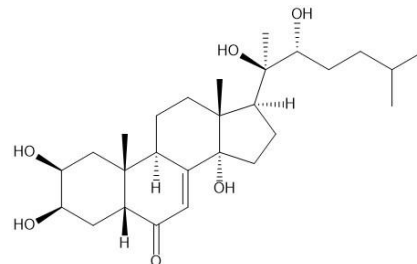
Purity: >97%

Formulation: Powder

Solubility: Soluble in DMSO (up to 30 mg/ml with warming) or in Ethanol (up to 5 mg/ml with warming)

Storage: -20°C

Stability: \geq 2 years.



Applications

Inducer of ecdysone-inducible mammalian expression systems

Functions

Ponasterone A (13408-56-5) is a potent ecdysone agonist which elicits molting and metamorphosis in insects. Ponasterone A and related ecdysteroids have been used as activators in ecdysone-inducible mammalian expression systems. Has been used to create an inducible cell model for Huntingdon's disease. Ecdysone analogs have been shown to display a strong antiapoptotic effect in mammalian cell lines thus ecdysone-based expression systems may not be suitable for analysis of apoptosis-related genes.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml with warming) or in Ethanol (up to 5 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol 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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