

Catalog	Unit
TBI2058 - 1MG	1 mg
TBI2058 - 5MG	5 mg

Product Details

Formal Name: (3R,4R,4aR,6aS,8R,9R,11aS,11bS)-Tetradecahydro-3,9-dihydroxy-4,11b-dimethyl-8,11a-methano-11aH-cyclohepta[a]naphthalene-4,9-dimethanol.

Alternate Name: NSC 234714

Molecular Formula: C₂₀H₃₄O₄.

Formula Weight: 338.48.

CAS Number: 38966-21-1

Purity: ≥98%

Formulation: Powder.

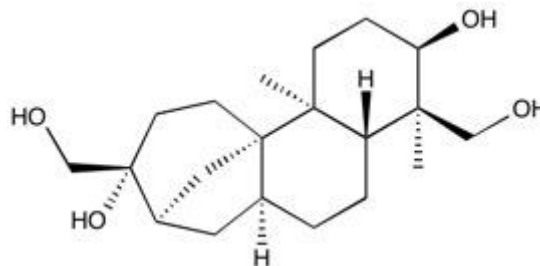
Solubility: Soluble in DMSO (up to 10 mg/ml) or in Ethanol (up to 1 mg/ml).

Storage: -20°C.

Stability: ≥ 2 years.

Applications

Apoptosis inducer
DNA synthesis and Cell death
Infectious disease



Functions

Aphidicolin specifically inhibits DNA polymerase α and δ via binding to the enzyme, in eukaryotic cells such as the HeLa cell line, without affecting other DNA polymerases. Arrests cell cycle at early S phase while allowing continued cell growth. Potentiates apoptosis induction induced by other agents. Increases gene amplification frequency in HeLa S3 cells overexpressing Bcl-24.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2614	ZVAD-FMK, Pan-caspase inhibitor
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI1029	Dorsomorphin, AMPK inhibitor
TBI1368	Pepstatin, Aspartic protease inhibitor
TBI1060	Imatinib, Bromodomain inhibitor

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