

Catalog	Unit
TBI2085 - 1MG	1 mg
TBI2085 - 5MG	5 mg

Product Details

Alternate Names: A2371; Antibiotic LA 7017; Aureolic Acid; NSC 24559; PA 144; Plicamycin

Molecular Formula: C₅₂H₇₆O₂₄

Formula Weight: 1085.15

CAS Number: 18378-89-7

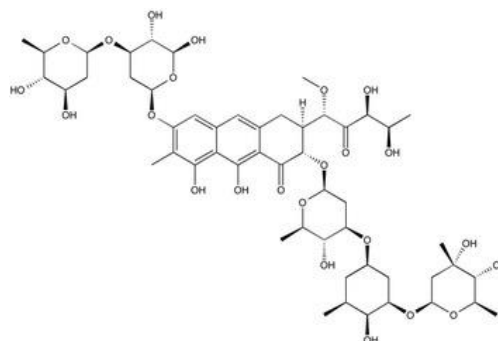
Purity: 98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 20 mg/ml) or in Ethanol (up to 10 mg/ml)

Storage: -20°C

Stability: ≥ 1 year



Applications

Transcription inhibitor; Inhibits DNA methyltransferase

Functions

Mithramycin A (18378-89-7) inhibits DNA methyl transferase. A selective Sp1 inhibitor, it binds to GC rich DNA sequences, displacing Sp1 transcription factor binding to oncogene promoters, inhibiting their expression. Mithramycin A (at 10-200 nM) sensitizes tumor cells to TRAIL-induced apoptosis.

Application Procedures

First dissolved in DMSO (20 mg/ml) or ethanol (10 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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