

Catalog	Unit
TBI1099- 1MG	1 mg
TBI1099- 5MG	5 mg

Product Details

Formal Name: methyl (1R,2R,4S)-4-[(2R,4S,5S,6S)-4-(dimethylamino)-5-[(2S,4S,5S,6S)-4-hydroxy-6-methyl-5-[(2R,6S)-6-methyl-5-oxooxan-2-yl]oxyoxan-2-yl]oxy-6-methyloxan-2-yl]oxy-2-ethyl-2,5,7-trihydroxy-6,11-dioxo-3,4-dihydro-1H-tetracene-1-carboxylate;hydrochloride

Alternate Names: Aclarubicin hydrochloride

Molecular Formula: C₄₂H₅₃NO₁₅·HCl

Formula Weight: 848.33

CAS Number: 75443-99-1

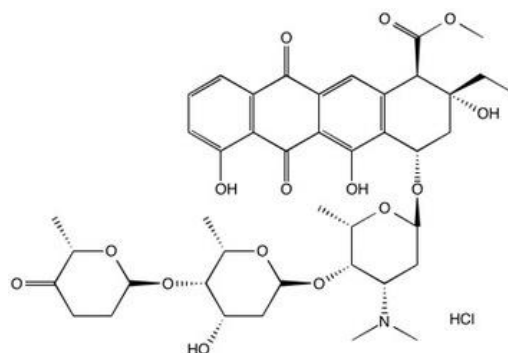
Purity: >90%

Formulation: Powder

Solubility: Soluble in DMSO (up to 30 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Proteasome inhibitor

Functions

Aclacinomycin A HCl (75443-99-1) is a specific inhibitor of the 20S proteasome chymotrypsin-like activity. Inhibition of Brg1 proteasomal degradation by aclacinomycin A reverses (0.25 μM in ILU-18 cells) the removal of Brg1 from promoters of inflammatory genes elucidating the regulatory role of the proteasome in controlling the duration of the inflammatory process. Induces the differentiation of K562 cells towards the erythroid pathway. Induces apoptosis. Cell permeable.

Application Procedures

First dissolved in DMSO (30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO 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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