

Catalog	Unit
TBI2106 - 1MG	1 mg
TBI2106 - 5MG	5 mg

Product Details

Formal Name: N-(4,5-Dihydro-4-methyl-5-oxo-1,2-dithiolo[4,3-b]pyrrol-6-yl)acetamide

Alternate Names: Acetopyrrothin

Molecular Formula: C₈H₈N₂O₂S₂

Formula Weight: 228.3

CAS Number: 87-11-6

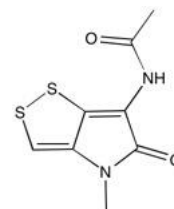
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 15 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

DUB PSMD14 inhibitor

Functions

Thiolutin (87-11-6) inhibits the deubiquitinating (DUB) activity of PSMD14 exhibiting potent antitumor activity in neck squamous cell carcinoma in vitro and in vivo. Inhibits endothelial cell adhesion by perturbing HSP27 interactions with components of the actin and intermediate filament cytoskeleton.² Potently inhibits developmental angiogenesis in zebrafish. Inhibits adhesion of endothelial cells to vitronectin (IC₅₀ = 0.83 μM) inhibiting tumor cell-induced angiogenesis in vivo. Cell permeable. Active in vivo.

Application Procedures

First dissolved in DMSO (up to 15 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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