

Fascaplysin, CDK4 inhibitor

Catalog	Unit
TBI1517 - 1MG	1 mg
TBI1517 - 5MG	5 mg

Product Details

Formal Name: 12,13-Dihydro-13-oxopyrido[1,2-a:3,4-b']diindol-5-ium chloride

Molecular Formula: C₁₈H₁₁ClN₂O₄

Formula Weight: 306.75

CAS Number: 114719-57-2

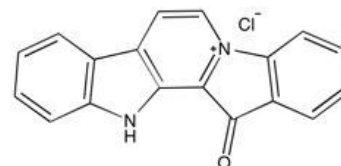
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 20 mg/ml) or in Water (up to 2 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

CDK4 inhibitor

Functions

Fascaplysin (114719-57-2) is a novel marine natural product isolated from *Thorectandra* sp. A potent and selective inhibitor of cyclin dependent kinase 4/cyclin D1 (IC₅₀ = 0.35 μM) and is less selective for Cdk6/D1 (IC₅₀ = 3.4 μM). Displays antiangiogenic activity. Fascaplysin displays high cytotoxic activity against small cell lung cancer cell lines acting via multiple mechanisms including topoisomerase I, DNA integrity and ROS.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20° 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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