

DZNep, Methyltransferase inhibitor

Catalog	Unit
TBI1524 - 1MG	1 mg
TBI1524 - 5MG	5 mg

Product Details

Formal Name: (1S,2R,5R)-5-(4-Aminoimidazo[4,5-c]pyridine-1-yl)-3-(hydroxymethyl)-cyclopent-3-ene-1,2-diol

Alternate Names: 3-Deazaneplanocin A, NSC 617989

Molecular Formula: C₁₂H₁₄N₄O₃

Formula Weight: 262.26

CAS Number: 102052-95-9

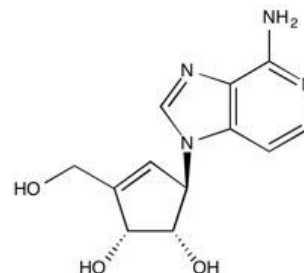
Purity: 98%

Formulation: Powder

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

Storage: -20°C

Stability: ≥ 2 years.



Applications

Methyltransferase inhibitor

Functions

DZNep (102052-95-9) is a potent histone methyltransferase inhibitor which decreases global histone methylation. Inhibits trimethylation of H3K27 and H4K20 in vitro. Selectively induces apoptosis in multiple cancer cell lines with no effect on normal cells. DZNep may be used in cocktails to chemically induce pluripotent stem cells (CiPSCs) from somatic cells. Enhances angiogenesis in a mouse model of limb ischemia.

Application Procedures

First dissolved in DMSO (up to 20 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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