

Catalog	Unit
TBI2149 - 1MG	1 mg
TBI2149 - 5MG	5 mg

Product Details

Formal Name: (1S,16S,18R)-16-hydroxy-16-(hydroxymethyl)-15-methyl-28-oxa-4,14,19-triazaoctacyclo[12.11.2.1^{15,18}.0^{2,6}.0^{7,27}.0^{8,13}.0^{19,26}.0^{20,25}]octacos-1,6,8,10,12,20,22,24,26-nonaen-3-one

Alternate Names: KT5555, CEP-701

Molecular Formula: C₂₆H₂₁N₃O₄

Formula Weight: 439.46

CAS Number: 111358-88-4

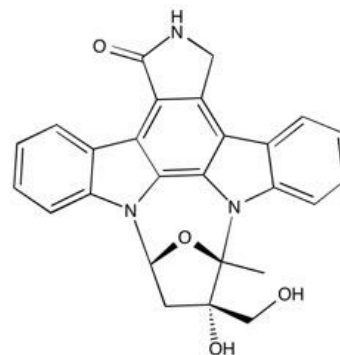
Purity: 98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 100 mg/ml) or in Ethanol (up to 20 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

JAK2, FLT3, and TrkA tyrosine kinase inhibitor

Functions

Lestaurtinib (111358-88-4) is a potent and selective FLT3 inhibitor (IC₅₀ = 2 nM). Inhibits RET and RET phosphorylation in medullary thyroid carcinoma cells. Suppresses JAK2/STAT5 signaling and the proliferation of primary erythroid cells from patients with myeloproliferative disorders. Potent Trk inhibitor. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 100 mg/ml) or ethanol (up to 20 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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