

Catalog	Unit
TBI4985-5MG	5 mg
TBI4985-25MG	25 mg

Product Details

Formal Name: [(1R,2S,4R)-4-[[5-[1-[(3-Bromophenyl)methyl]pyrazole-3-carbonyl]pyrimidin-4-yl]amino]-2-hydroxycyclopentyl]methyl sulfamate

Molecular Formula: C₂₁H₂₃BrN₆O₅S

Formula Weight: 551.4

CAS Number: 1644342-14-2

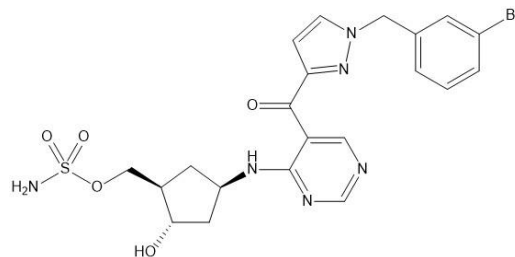
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (at least 25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

SUMO-activating enzyme (SAE) inhibitor

Functions

Potent (IC₅₀'s = 3 nM SUMO1; 11 nM SUMO2) and selective (IC₅₀ = 32 μM for NEDD8-activating enzyme (NAE)) mechanism-based inhibitor of SUMO-activating enzyme (SAE). Treatment of multiple cancer cell lines led to failure of mitotic progression and induction of endoreduplication with MYC-amplified cell lines showing higher sensitivity. ML792 inhibited B-cell growth and promoted cell death in Epstein-Barr virus (EBV)-positive B cells and nasopharyngeal carcinoma cells. It also modulated Latent Membrane Protein-1-induced cell migration and cell adhesion suggesting therapeutic potential in treating EBV-associated malignancies.

Application Procedures

First dissolved in DMSO (25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.