
Catalog	Unit
TBI4018-5MG	5 mg
TBI4018-25MG	25 mg

Product Details

Formal Name: Cyclopentyl-(6,7-dichloro-4-pyridin-4-yl-phthalazin-1-yl)-amine

Molecular Formula: C₁₈H₁₆Cl₂N₄

Formula Weight: 359.20

CAS Number: 1982372-88-2

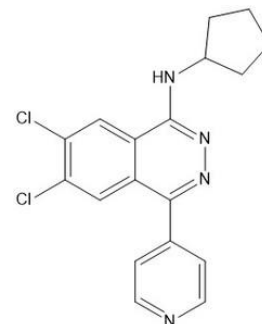
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 5 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Selective inhibitor of lysine methyltransferases SUV420H1/H2

Functions

A-196 (1982372-88-2) is a potent and selective (over 29 other methyltransferases) inhibitor of the protein lysine methyltransferases SUV420H1 (IC₅₀ = 25 nM) and SUV420H2 (IC₅₀ = 144 nM). It substantially inhibited non-homologous end-joining (NHEJ)-directed DNA repair but not homology-directed repair (HDR) in cells treated with ionizing radiation. A-196 is active in cells and displayed no toxicity in several cell lines.

Application Procedures

First dissolved in DMSO (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

For research use only.