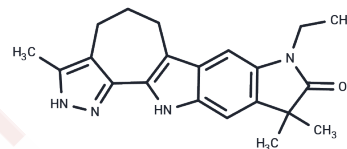


AKI-001

Chemical Properties

CAS No. : 925218-37-7
 Formula: C₂₁H₂₄N₄O
 Molecular Weight: 348.44
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|---|
| Description | AKI-001 is a potent Aurora kinase inhibitor, which exhibits low nanomolar potency against both Aurora A and Aurora B enzymes, excellent cellular potency (IC ₅₀ < 100 nM), and good oral bioavailability. Phenotypic cellular assays show that both Aurora A and Aurora B are inhibited at inhibitor concentrations sufficient to block proliferation. Importantly, the cellular activity translates to potent inhibition of tumor growth in vivo. An oral dose of 5 mg/kg QD is well tolerated and results in near stasis (92% TGI) in an HCT116 mouse xenograft model. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.8699 mL | 14.3497 mL | 28.6993 mL |
| 5 mM | 0.574 mL | 2.8699 mL | 5.7399 mL |
| 10 mM | 0.287 mL | 1.435 mL | 2.8699 mL |
| 50 mM | 0.0574 mL | 0.287 mL | 0.574 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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