

Product Name: GSK 923295A

Catalog No.: 6837

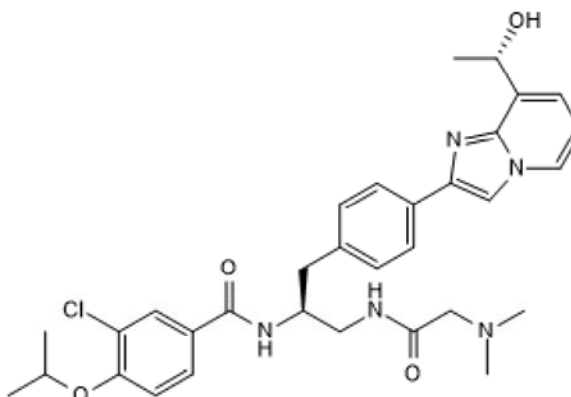
Batch No.: 1

CAS Number: 1088965-37-0

IUPAC Name: 3-Chloro-*N*-[(1*S*)-2-[[2-(dimethylamino)acetyl]amino]-1-[[4-[8-[(1*S*)-1-hydroxyethyl]imidazo[1,2-*a*]pyridin-2-yl]phenyl]methyl]ethyl]-4-(1-methylethoxy)benzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₂H₃₈ClN₅O₄
Batch Molecular Weight: 592.13
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 20 mM with gentle warming
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 97% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	64.91	6.47	11.83
Found	65.05	6.49	11.85

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Potent and selective centromere associated protein E (CENP-E) allosteric inhibitor (IC₅₀ = 22 nM); does not compete with ATP. Exhibits selectivity over a panel of other kinesins (<25% inhibition at 50 μM). Inhibits tumor cell growth in vitro. Induces mitotic arrest and regression of human tumor xenografts in vivo.

Physical and Chemical Properties:

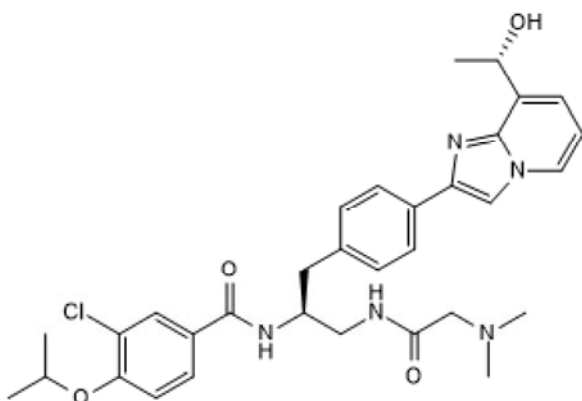
Batch Molecular Formula: C₃₂H₃₈ClN₅O₄

Batch Molecular Weight: 592.13

Physical Appearance: White solid

Minimum Purity: >97%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 20 mM with gentle warming

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Qian et al (2010) Discovery of the first potent and selective inhibitor of centromere-associated protein E: GSK923295. ACS Med.Chem.Lett. **1** 30. PMID: 24900171.

Wood et al (2010) Antitumor activity of an allosteric inhibitor of centromere-associated protein-E. Proc.Natl.Acad.Sci.U.S.A. **107** 5839. PMID: 20167803.

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