

Ispinesib Biochemical

Ispinesib

CATALOG #
AAA201922

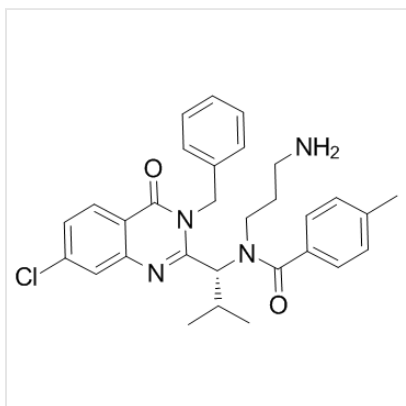
PRODUCT SYNONYMS

Ispinesib; SB-715992; SB 715992; SB715992; Ispinesib biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	98%
Suitability	10mM in DMSO
Target	Kinesin
Receptor	KSP (HsEg5)
Pathway	Cytoskeleton/Cell Adhesion Molecules
Chemical Name	Benzamide, N-(3-aminopropyl)-N-[(1R)-1-[7-chloro-3, 4-dihydro-4-oxo-3-(phenylmethyl)-2-quinazolinyl]-2-methylpropyl]-4-methyl
SMILES	<chem>O=C(N(CCCN)[C@@H](C(N1CC2=CC=CC=C2)=NC3=C(C=CC(Cl)=C3)C1=O)C(C)C)C4=CC=C(C)C=C4</chem>
Molecular Formula	C30H33ClN4O2
CAS Number	336113-53-2
Preparation and Storage	Store at -20°C for 1 year.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for Ispinesib biochemical

A potent, selective, cell-permeable, allosteric inhibitor of Eg5 (mitotic kinesin KSP) with K_i of 2.3nM; displays >10,000-fold selectivity for Eg5 over a range of other mitotic kinesins; induces a monopolar spindle phenotype, leading to the activation of a spindle assembly checkpoint, mitotic arrest, and subsequent cell death with GI50 of 20-80nM in colon, pancreas, prostate, and lung cancer cells; demonstrates tumor regression of breast cancer cell xenografts in mice at 10mg/kg. Breast Cancer Phase 2 Clinical

Product Categories/Family for Ispinesib biochemical	Breast Cancer; Cytoskeleton/Cell Adhesion Molecules; Cancer
References	1. Good JA, et al. J Med Chem. 2013 Mar 14; 56 (5):1878-93. 2. Purcell JW, et al. Clin Cancer Res. 2010 Jan 15; 16 (2):566-76. 3. Luo L, et al. Nat Chem Biol. 2007 Nov; 3 (11):722-6. Epub 2007 Oct 7.

NCBI AND UNIPROT INFORMATION

Molecular Weight	517.06
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/ispinesib/201922>