

Product Name	: GSK-923295
Synonyms	: GSK 923295; GSK923295
Cat No.	: M10340
CAS Number	: 1088965-37-0
Molecular Formula	: C32H38ClN5O4
Formula Weight	: 592.13
Chemical Name	: Benzamide, 3-chloro-N-[(1S)-2-[[2-(dimethylamino)acetyl]amino]-1-[[4-[8-[(1S)-1-hydroxyethyl]imidazo[1,2-a]pyridin-2-yl]phenyl]methyl]ethyl]-4-(1-methylethoxy)-
Description	: The first potent, allosteric inhibitor of CENP-E kinesin motor ATPase activity with K_i of 3.2 nM; shows excellent selectivity against a panel of mitotic human kinesins; exhibits inhibition of cell proliferation in a broad panel of human cancer cell lines and induces mitotic arrest leading to apoptosis and cell death (SKOV-3 IC50=22 nM; Colo205 IC50=22 nM); induces tumor regressions in vivo. Solid Tumors Phase 1 Clinical
Pathway	: Cytoskeleton/Cell Adhesion Molecules
Target	: Kinesin
Receptor	: CENP-E
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C(N[C@@H](CC1=CC=C(C2=CN3C=CC=C(C[C@@H](O)C3=N2)C=C1)CNC(CN(C)C)=O)C4=CC=C(OC(C)C)C(Cl)=C4</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Wood KW, et al. Proc Natl Acad Sci U S A. 2010 Mar 30;107(13):5839-44. 2. Qian X, et al. ACS Med Chem Lett. 2010 Jan 19;1(1):30-4. 3. Balamuth NJ, et al. Cancer Res. 2010 Apr 1;70(7):2749-58.