

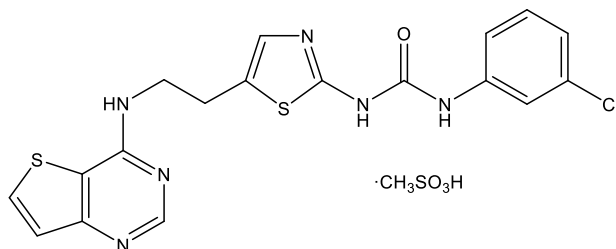
Catalog # 10-4779

SNS-314 Mesylate

CAS# 1146618-41-8

1-(3-Chlorophenyl)-3-[5-[2-(thieno[3,2-d]pyrimidin-4-ylamino)ethyl]-1,3-thiazol-2-yl]urea mesylate

Lot # FBS2027



SNS-314 is a potent and selective pan-Aurora kinase inhibitor (IC_{50} 's: Aurora A = 9 nM, Aurora B = 31 nM, Aurora C = 3 nM).^{1,2} It was able to inhibit proliferation in a wide panel of human cancer cell lines including colon (HCT116), breast (MDA-MB-231), prostate (PC-3), lung (H1299, Calu-6), ovarian (A2780), melanoma (A375) and liver (SMMC-7721, HepG2, LM6).¹⁻⁴

- 1) Oslob *et al.* (2008) *Discovery of a potent and selective aurora kinase inhibitor*; *Bioorg. Med. Chem. Lett.* **18** 4880
- 2) Arbitrario *et al.* (2010) *SNS-314, a pan-Aurora kinase inhibitor, shows potent anti-tumor activity and dosing flexibility in vivo*; *Cancer Chemother. Pharmacol.* **65** 707
- 3) VanderPorten *et al.* (2009) *The Aurora kinase inhibitor SNS-314 shows broad therapeutic potential with chemotherapeutics and synergy with microtubule-targeted agents in a colon carcinoma model*; *Mol. Cancer Ther.* **8** 930
- 4) Liu *et al.* (2017) *Targeting high Aurora kinases expression as an innovative therapy for hepatocellular carcinoma*; *Oncotarget* **8** 27953

PHYSICAL DATA

Molecular Weight:	527.04
Molecular Formula:	$\text{C}_{18}\text{H}_{15}\text{ClN}_6\text{OS}_2 \cdot \text{CH}_3\text{SO}_3\text{H}$
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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