

# SNS-314

Catalog No: tcsc0113



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

1146618-41-8

**Formula:**

$C_{19}H_{19}ClN_6O_4S_3$

**Pathway:**

Cell Cycle/DNA Damage;Epigenetics

**Target:**

Aurora Kinase;Aurora Kinase

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

SNS-314 Mesylate

**Observed Molecular Weight:**

527.04

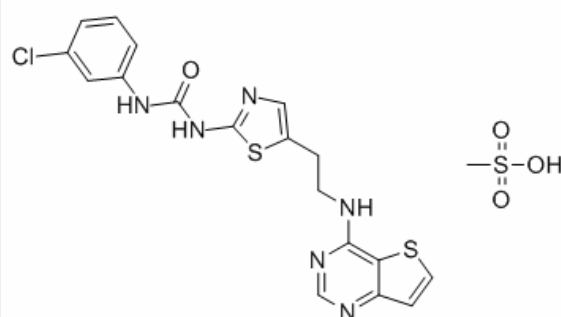
## Product Description

SNS-314 is a potent and selective **aurora** kinase inhibitor with **IC<sub>50</sub>**s of 9, 31, and 6 nM for aurora A, B and C, respectively.

IC50 & Target: IC50: 9 nM (Aurora A), 31 nM (Aurora B), 6 nM (Aurora C)<sup>[1]</sup>

**In Vitro:** SNS-314 blocks proliferation in a broad panel of tumor cell lines (HCT116, A2780, PC-3, HeLa, MDA-MB-231, H-1299, and HT29) with IC<sub>50</sub> values ranging from 1.8 nM in A2780 ovarian cancer cells to 24 nM in HT29 colon cancer cells<sup>[2]</sup>.

**In Vivo:** In the HCT116 human colon cancer xenograft model, administration of 50 and 100 mg/kg SNS-314 leads to dose-dependent inhibition of histone H3 phosphorylation for at least 10 h. SNS-314 shows significant tumor growth inhibition in a dose dependent manner under a variety of dosing schedules including weekly, bi-weekly, and 5 days on/9 days off<sup>[2]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!