

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

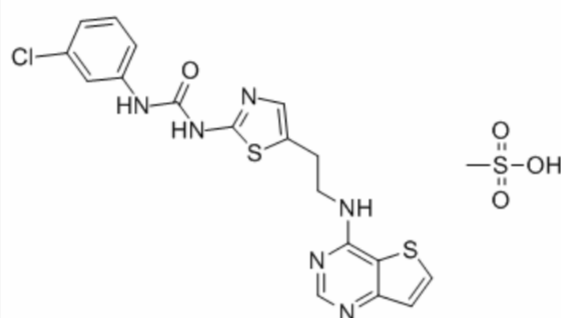
Product Description

SNS-314 is a potent and selective **aurora** kinase inhibitor with **IC₅₀**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)^[1]

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 IC₅₀ values ranging from 1.8 nM in A2780 ovarian cancer cells to 24 nM in HT29 colon cancer cells^[2].

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^[2].



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