

Ningetinib Tosylate

Catalog No: tcsc0027426



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1394820-77-9

Formula:

$C_{38}H_{37}FN_4O_8S$

Pathway:

Protein Tyrosine Kinase/RTK;Protein Tyrosine Kinase/RTK;Protein Tyrosine Kinase/RTK

Target:

c-Met/HGFR;VEGFR;TAM Receptor

Purity / Grade:

>98%

Solubility:

DMSO : 8.25 mg/mL (11.32 mM; Need ultrasonic and warming)

Observed Molecular Weight:

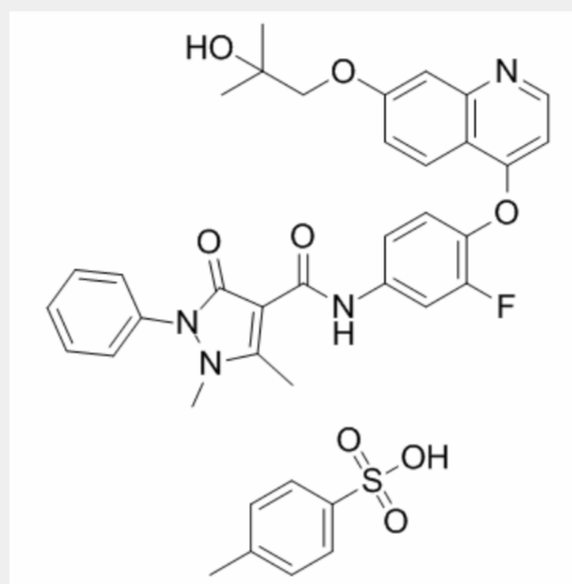
728.79

Product Description

Ningetinib Tosylate is a potent, orally bioavailable small molecule tyrosine kinase inhibitor (TKI) with **IC₅₀s** of 6.7, 1.9 and c-Met, **VEGFR2** and **Axl**, respectively.

In Vitro: Ningetinib Tosylate is a potent, orally bioavailable small molecule tyrosine kinase inhibitor (TKI) with **IC₅₀s** of 6.7, 1.9 and 50 values of 8.6 and 6.3 nM, respectively^[1].

In Vivo: When single dosed orally (3 mg/kg) to U87MG tumor-bearing nude mice, Ningetinib Tosylate (CT053PTSA) potently inhibits the phosphorylation of c-Met and its downstream signaling kinases AKT and ERK1/2 for up to 6 hours in tumor tissues. In orthotopic U87MG human glioblastoma xenograft model, Ningetinib Tosylate prolongs the median survival time (MST) and yields significant increase in life-span value (ILS=32%, p=0.003) at an oral dose of 20 mg/kg/day (dosed 21 days) versus the vehicle-treated group^[1].



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