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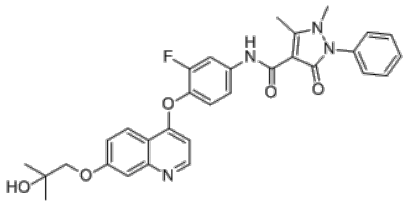
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Ningetinib
Cat. No.	:	PC-21636
CAS No.	:	1394820-69-9
Molecular Formula	:	$C_{31}H_{29}FN_4O_5$
Molecular Weight	:	556.59
Target	:	c-Met (HGFR)
Solubility	:	10 mM in DMSO



Biological Activity

Ningetinib (CT053PTSA) is a potent, orally bioavailable multikinase inhibitor against **c-Met**, VEGFR2 as well as Axl, Mer, and FLT3, shows IC50s of 6.7, 1.9 and < 1.0 nM against c-Met, VEGFR-2 and Axl in cell-based assays.
Ningetinib (CT053PTSA) inhibits HGF and VEGF-stimulated HUVEC proliferation and microvascular angiogenesis in rat aortic rings with IC50 values of 8.6 and 6.3 nM, respectively.
Ningetinib (CT053PTSA) (3mg/kg, oral) potently inhibits the phosphorylation of c-Met and its downstream signaling kinases AKT and ERK1/2 in tumor tissues of U87MG tumor-bearing nude mice.
Ningetinib (CT053PTSA) (20 mg/kg/day) potently inhibits tumor growth orthotopic U87MG human glioblastoma xenograft model.

References

Zhao S, et al. Lung Cancer. 2024 Jan 3;188:107468.

Ning Xi, et al. Cancer Res (2014) 74 (19_Supplement): 1755.

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