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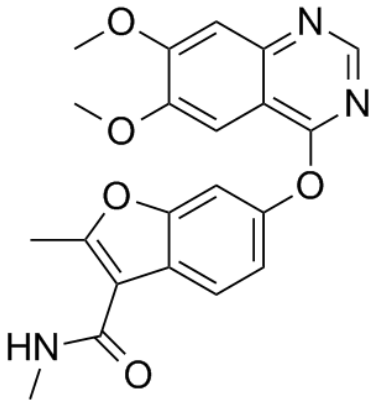
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Fruquintinib
Cat. No.	:	PC-45746
CAS No.	:	1194506-26-7
Molecular Formula	:	$C_{21}H_{19}N_3O_5$
Molecular Weight	:	393.3927
Target	:	VEGFR
Solubility	:	DMSO: 7.75 mg/mL



Biological Activity

Fruquintinib (HMPL-013) is a potent and highly selective small molecule inhibitor of **VEGFR1/2/3** with IC50 of 33/3/5/0.5 nM, respectively.
Fruquintinib (HMPL-013) weakly inhibits RET, FGFR-1 and c-kit kinases.
Fruquintinib (HMPL-013) demonstrates potent inhibition on VEGF-A dependent KDR phosphorylation in HEK293-KDR cells and VEGF-A induced proliferation in primary HUVECs with IC50 of 0.6 nM and 1.7 nM, respectively.
Fruquintinib (HMPL-013) suppresses tumor growth inhibition in a panel of tumor xenograft and patient derive xenograft models in mouse.
Fruquintinib (HMPL-013) is orally active.

References

Sun Q, et al. ***Cancer Biol Ther.*** 2014;15(12):1635-45.

Gu Y, et al. ***Cancer Chemother Pharmacol.*** 2014 Jul;74(1):95-115.

Cao J, et al. ***Cancer Chemother Pharmacol.*** 2016 Aug;78(2):259-69.

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