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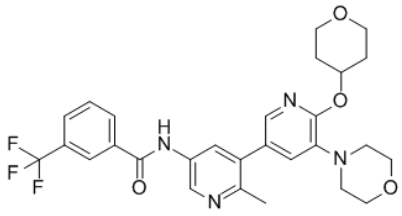
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	RAF-709
Cat. No.	:	PC-42182
CAS No.	:	1628838-42-5
Molecular Formula	:	$C_{28}H_{29}F_3N_4O_4$
Molecular Weight	:	542.5495
Target	:	Raf
Solubility	:	DMSO: 100 mg/mL



Biological Activity

A novel potent, selective, and orally bioavailable RAF inhibitor with biochemical IC50 of 0.4 nM and 0.5 nM for BRAF and CRAF, respectively; suppresses pERK (EC50=0.02-0.1 uM), stabilizes BRAF−CRAF dimers(EC50=0.8 uM) inhibits proliferation (EC50=0.95 uM) in KRAS mutant tumor cell lines (Calu6); shows effectivity in a KRAS mutant xenograft model.

References

Nishiguchi GA, et al. J Med Chem. 2017 Jun 22;60(12):4869-4881.

E-mail: tech@probechem.com