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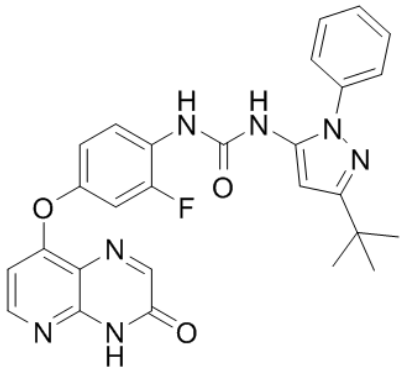
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	CCT196969
Cat. No.	:	PC-43255
CAS No.	:	1163719-56-9
Molecular Formula	:	$C_{27}H_{24}FN_7O_3$
Molecular Weight	:	513.5229
Target	:	Raf
Solubility	:	DMSO: ≥ 32 mg/mL



Biological Activity

CCT196969 is a potent, orally bioavailable pan-RAF inhibitor with IC50 of 100, 40 and 12 nM for B-Raf, B-Raf V600E and C-Raf, respectively; also potently inhibits SRC (IC50=26 nM) and LCK (IC50=14 nM), does not inhibit MEK1 or the MEK1 kinase COT; inhibits cell proliferation of BRAF-selective-inhibitor-resistant cells with mean GI50 of 0.4 uM, NRAS mutant melanoma cells (GI50=0.6 uM); induces caspase 3 and PARP cleavage, induces apoptosis, inhibits the growth of PLX4720-resistant A375 xenografts (A375/R) in mice, without causing any body weight loss.

References

Girotti MR, et al. Cancer Cell. 2015 Jan 12;27(1):85-96.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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