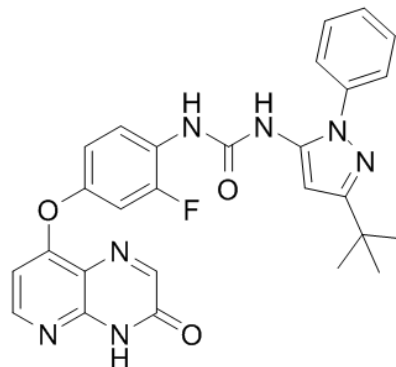


Product Name : CCT196969
Cat. No. : PC-43255
CAS No. : 1163719-56-9
Molecular Formula : C₂₇H₂₄FN₇O₃
Molecular Weight : 513.5229
Target : Raf
Solubility : DMSO: ≥ 32 mg/mL



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.

CCT196969 also potently inhibits SRC (IC₅₀=26 nM) and LCK (IC₅₀=14 nM), does not inhibit MEK1 or the MEK1 kinase COT. CCT196969 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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