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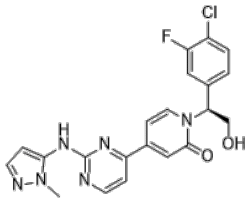
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Ravoxertinib
Cat. No.	:	PC-22330
CAS No.	:	1453848-26-4
Molecular Formula	:	$C_{21}H_{18}ClFN_6O_2$
Molecular Weight	:	440.86
Target	:	ERK
Solubility	:	10 mM in DMSO



Biological Activity

Ravoxertinib (GDC-0994) is potent, selective and orally active ERK kinase inhibitor with IC50 of 6.1 nM and 3.1 nM for ERK1 and ERK2, respectively.
Ravoxertinib (GDC-0994) displays at least 50-fold selectivity against the Invitrogen Selectscreen panel containing 279 kinases.
Ravoxertinib (GDC-0994) potently inhibits ERK dependent p90RSK serine 380 phosphorylation in PMA-stimulated HepG2 cells with IC50 of 12 nM.
Ravoxertinib (GDC-0994) decreases the viability of lung adenocarcinoma cell lines (A549, HCC827, HCC4006).
Ravoxertinib (GDC-0994) (15, 30, or 100 mg/kg, PO, QD) inhibits tumor growth in the HCT116 mouse xenograft model.

References

Blake JF, et al. J Med Chem. 2016 Jun 23;59(12):5650-60.

Varga A, Soria JC, et al. Clin Cancer Res. 2020 Mar 15;26(6):1229-1236.

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