

Product Information

ERK inhibitor GDC0994, Purity ≥98%

Cat. No.: X23-10-ZQ868

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD28143918

CAS Number: 1453848-26-4

Compound CID: 71727581

Synonym: Ravoxertinib; GDC-0994; 1453848-26-4; GDC0994;

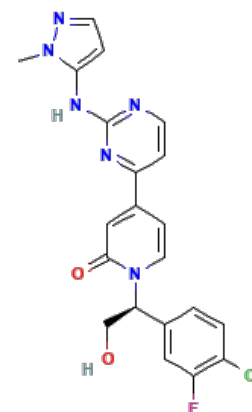
(S

)-1-(1-(4-Chloro-3-fl

uorophenyl)-2-hydroxyethyl)-4-(2-((1-me

thyl-1*H*-pyrazol-5-yl)amino)pyrimidin-4-yl)pyridin-2(1*H*)-one; ERK inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	GDC0994, soluble in DMSO and ethanol and insoluble in water, exhibits potent inhibition of ERK kinase. It targets ERK2 and ERK1.
Molecular Weight	440.87
Molecular Formula	C ₂₁ H ₁₈ ClFN ₆ O ₂
Targets	ERK2: 0.3 nM; ERK1: 1.1 nM
IUPAC Name	1-[(1 <i>S</i>)-1-(4-chloro-3-fluorophenyl)-2-hydroxyethyl]-4-[2-[(2-methylpyrazol-3-yl)amino]pyrimidin-4-yl]pyridin-2-one
InChI	InChI=1S/C21H18ClFN6O2/c1-28-19(5-8-25-28)27-21-24-7-4-17(26-21)13-6-9-29(20(31)11-13)18(12-30)14-2-3-15(22)16(23)10-14/h2-11,18,30H,12H2,1H3,(H,24,26,27)/t18-m/s1
InChI Key	RZUOCXOYPYGSKL-GOSISDBHSA-N
Canonical SMILES	CN1C(=CC=N1)NC2=NC=CC(=N2)C3=CC(=O)N(C=C3)C(CO)C4=CC(=C(C=C4)Cl)F
Isomeric SMILES	CN1C(=CC=N1)NC2=NC=CC(=N2)C3=CC(=O)N(C=C3)[C@H](CO)C4=CC(=C(C=C4)Cl)F
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 83 mg/mL (188.7 mM); Water: Insoluble; Ethanol: 83 mg/mL
Identity	Confirmed by NMR/HPLC/MS.



Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	GDC0994 can be utilized to explore the therapeutic potential of ERK1/2 inhibition in oncology.
Storage	Store at -20°C.
