

Product Information

p38-MAPK inhibitor Pexmetinib, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ891

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

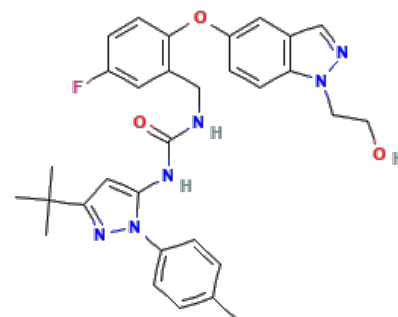
CAS Number: 945614-12-0

Compound CID: 24765037

Synonym: Pexmetinib; 945614-12-0; ARRY-614; Pexmetinib [INN]; Pexmetinib

(ARRY-614); Pexmetinib(ARRY-614); p38-MAPK inhibitor

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



Product Information

Description	Pexmetinib, soluble in DMSO and ethanol and insoluble in water, targets the ATP-binding site of the kinase, thereby preventing phosphorylation of downstream substrates. It targets p38 MAPK and Tie-2.
Molecular Weight	556.63
Molecular Formula	C ₃₁ H ₃₃ FN ₆ O ₃
Targets	p38 MAPK; Tie-2
IUPAC Name	1-[5- <i>tert</i> -Butyl-2-(4-methylphenyl)pyrazol-3-yl]-3-[[5-fluoro-2-[1-(2-hydroxyethyl)indazol-5-yl]oxyphenyl]methyl]urea
InChI	InChI=1S/C31H33FN6O3/c1-20-5-8-24(9-6-20)38-29(17-28(36-38)31(2,3)4)35-30(40)33-18-22-15-23(32)7-12-27(22)41-25-10-11-26-21(16-25)19-34-37(26)13-14-39/h5-12,15-17,19,39H,13-14,18H2,1-4H3,(H2,33,35,40)
InChI Key	LNMRSSIMGCDUTP-UHFFFAOYSA-N
Canonical SMILES	CC1=CC=C(C=C1)N2C(=CC(=N2)C(C)(C)C)NC(=O)NCC3=C(C=CC(=C3)F)OC4=CC5=C(C=C4)N(N=C5)CCO
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 96 mg/mL (172.46 mM); Water: Insoluble; Ethanol: 96 mg/mL (172.46 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.



Applications

Pexmetinib can be employed to explore the dual inhibition of MEK and AXL pathways in cancer treatment.

Storage

Store at -20°C.
