

Product Information

Raf inhibitor LY3009120, Purity \geq 98%

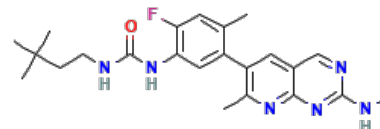
Cat. No.: X23-10-ZQ978

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

CAS Number: 1454682-72-4

Compound CID: 71721540

Synonym: LY3009120; 1454682-72-4; LY-3009120; DP-4978; 1-(3,3-Dimethylbutyl)-3-[2-fluoro-4-methyl-5-[7-methyl-2-(methylamino)pyrido[2,3-d]pyrimidin-6-yl]phenyl]urea; Raf inhibitor



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

Product Information

Description	LY3009120, soluble in warmed DMSO and insoluble in water and ethanol, blocks a MAPK/ERK signaling pathway. It targets B-Raf, B-Raf (V600E), and CRAF.
Molecular Weight	424.51
Molecular Formula	C ₂₃ H ₂₉ FN ₆ O
Targets	B-Raf: 9.1 nM; B-Raf (V600E): 5.8 nM; CRAF: 15 nM
IUPAC Name	1-(3,3-Dimethylbutyl)-3-[2-fluoro-4-methyl-5-[7-methyl-2-(methylamino)pyrido[2,3-d]pyrimidin-6-yl]phenyl]urea
InChI	InChI=1S/C23H29FN6O/c1-13-9-18(24)19(29-22(31)26-8-7-23(3,4)5)11-16(13)17-10-15-12-27-21(25-6)30-20(15)28-14(17)2/h9-12H,7-8H2,1-6H3,(H2,26,29,31)(H,25,27,28,30)
InChI Key	HHCBMISMPSAZBF-UHFFFAOYSA-N
Canonical SMILES	CC1=CC(=C(C=C1C2=C(N=C3C(=C2)C=NC(=N3)NC)C)NC(=O)NCCC(C)(C)C)F
Form	Lyophilized powder
Purity	\geq 98%
Solubility	Warmed DMSO: 3 mg/mL (7.06 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	LY3009120 can be used to investigate the inhibition of pan-RAF kinases in cancer research.
Storage	Store at -20°C.