

Product Information

Raf inhibitor LGX 818, Purity ≥98%

Cat. No.: X23-10-ZQ968

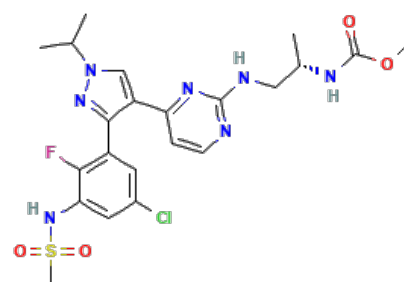
Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD25976758

CAS Number: 1269440-17-6, 1269440-29-0

Compound CID: 50922675

Synonym: Encorafenib; LGX818; 1269440-17-6; LGX-818; Braftovi; NVP-LGX818-NXA; Encorafenib (LGX818); Raf inhibitor



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

Product Information

Description	LGX 818, soluble in DMSO and ethanol and insoluble in water, blocks a MAPK/ERK signaling pathway. It targets BRAF V600E.
Molecular Weight	540.01
Molecular Formula	C ₂₂ H ₂₇ ClFN ₇ O ₄ S
Targets	BRAF V600E: 4 nM
IUPAC Name	Methyl N-[(2S)-1-[[4-[3-[5-chloro-2-fluoro-3-(methanesulfonamido)phenyl]-1-propan-2-yl]pyrazol-4-yl]pyrimidin-2-yl]amino]propan-2-yl]carbamate
InChI	InChI=1S/C22H27ClFN7O4S/c1-12(2)31-11-16(17-6-7-25-21(28-17)26-10-13(3)27-22(32)35-4)20(29-31)15-8-14(23)9-18(19(15)24)30-36(5,33)34/h6-9,11-13,30H,10H2,1-5H3,(H,27,32)(H,25,26,28)/t13-/m0/s1
InChI Key	CMJCYNUCSMDBY-ZDUSSCGKSA-N
Canonical SMILES	CC(C)N1C=C(C(=N1)C2=C(C(=CC(=C2)Cl)NS(=O)(=O)C)F)C3=NC(=NC=C3)NCC(C)NC(=O)OC
Isomeric SMILES	C[C@@H](CNC1=NC=CC(=N1)C2=CN(N=C2C3=C(C(=CC(=C3)Cl)NS(=O)(=O)C)F)C(C)C)NC(=O)OC
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 93 mg/mL (172.22 mM); Water: Insoluble; Ethanol: 93 mg/mL (172.22 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	LGX 818 can be used to inhibit BRAF and study its therapeutic effects on melanoma.
Storage	Store at -20°C.
