



Product Information

Ras inhibitor MRTX849, Purity ≥98%

Cat. No.: X24-05-ZQ907

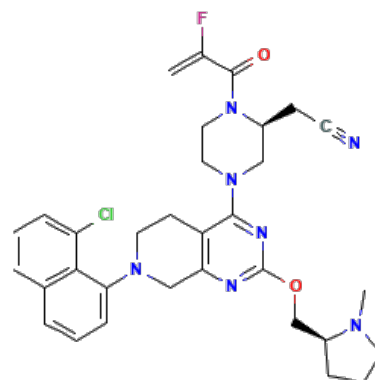
Size: 2 mg; 5 mg; 10 mg

CAS Number: 2326521-71-3

Compound CID: 138611145

Synonym: 2326521-71-3; MRTX 849; MRTX-849; Ras inhibitor

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



Product Information

Description	MRTX849, soluble in DMSO and ethanol and insoluble in water, blocks the activity of Ras proteins, which play a key role in cell signal transduction and are frequently implicated in oncogenic mutations.
Molecular Weight	604.12
Molecular Formula	C ₃₂ H ₃₅ ClFN ₇ O ₂
IUPAC Name	2-[(2S)-4-[7-(8-chloronaphthalen-1-yl)-2-[(2S)-1-methylpyrrolidin-2-yl]methoxy]-6,8-dihydro-5H-pyrido[3,4-d]pyrimidin-4-yl]-1-(2-fluoroprop-2-enoyl)piperazin-2-yl]acetonitrile
InChI	InChI=1S/C32H35ClFN7O2/c1-21(34)31(42)41-17-16-40(18-23(41)11-13-35)30-25-12-15-39(28-10-4-7-22-6-3-9-26(33)29(22)28)19-27(25)36-32(37-30)43-20-24-8-5-14-38(24)2/h3-4,6-7,9-10,23-24H,1,5,8,11-12,14-20H2,2H3/t23-,24-/m0/s1
InChI Key	PEMUGDMSUDYLHU-ZEQRLZLVSA-N
Canonical SMILES	CN1CCCC1COC2=NC3=C(CCN(C3)C4=CC=CC5=C4C(=CC=C5)Cl)C(=N2)N6CCN(C(C6)CC#N)C(=O)C(=C)F
Isomeric SMILES	CN1CCC[C@H]1COC2=NC3=C(CCN(C3)C4=CC=CC5=C4C(=CC=C5)Cl)C(=N2)N6CCN([C@H](C6)CC#N)C(=O)C(=C)F
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 87 mg/mL (144.01 mM); Water: Insoluble; Ethanol: 44 mg/mL (72.83 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

MRTX849 can be used to target and inhibit mutant KRAS G12C in cancer therapy research.

Storage

Store at -20°C.
