



Product Information

Ras inhibitor AMG-510, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ923

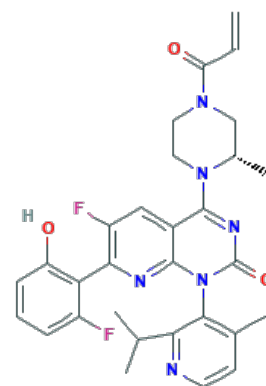
Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 2296729-00-3

Compound CID: 137278711

Synonym: 2296729-00-3; AMG 510; AMG510; Sotorasib; Ras inhibitor

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



Product Information

Description	AMG-510, 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	560.59
Molecular Formula	C ₃₀ H ₃₀ F ₂ N ₆ O ₃
IUPAC Name	6-Fluoro-7-(2-fluoro-6-hydroxyphenyl)-1-(4-methyl-2-propylpyridin-3-yl)-4-[(2S)-2-methyl-4-prop-2-enoylpiperazin-1-yl]pyrido[2,3-d]pyrimidin-2-one
InChI	InChI=1S/C30H30F2N6O3/c1-6-23(40)36-12-13-37(18(5)15-36)28-19-14-21(32)26(24-20(31)8-7-9-22(24)39)34-29(19)38(30(41)35-28)27-17(4)10-11-33-25(27)16(2)3/h6-11,14,16,18,39H,1,12-13,15H2,2-5H3/t18-/m0/s1
InChI Key	NXQKSXLFSAEQCZ-SFHVURJKSA-N
Canonical SMILES	CC1CN(CCN1C2=NC(=O)N(C3=NC(=C(C=C32)F)C4=C(C=CC=C4F)O)C5=C(C=CN=C5C(C)C)C(=O)C=C
Isomeric SMILES	C[C@H]1CN(CCN1C2=NC(=O)N(C3=NC(=C(C=C32)F)C4=C(C=CC=C4F)O)C5=C(C=CN=C5C(C)C)C(=O)C=C
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 90 mg/mL (160.54 mM); Water: Insoluble; Ethanol: 90 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

AMG-510 can be used to target and inhibit KRAS G12C mutation in cancer studies.

Storage

Store at -20°C.
