

Product Information

PI3K inhibitor NVP-BKM120 hydrochloride, Purity ≥98%

Cat. No.: X24-05-ZQ120

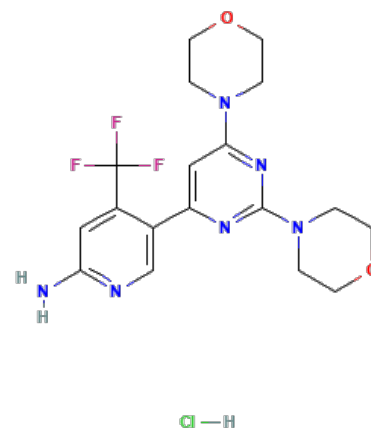
Size: 5 mg; 10 mg; 50 mg

CAS Number: 1312445-63-8

Compound CID: 66577015

Synonym: 1312445-63-8; BKM-120 hydrochloride; BKM120 hydrochloride; BKM 120 hydrochloride; PI3K inhibitor

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



Product Information

Description	NVP-BKM120 hydrochloride is a potent compound that inhibits PI3 kinase activity. It targets mTOR, p110α, p110α-E545K, p110α-H1047R, p110β, p110δ, p110γ, and Vps34.
Molecular Weight	446.85
Molecular Formula	C ₁₈ H ₂₁ F ₃ N ₆ O ₂ ·HCl
Targets	mTOR: 4.6 μM; p110α: 52 μM; p110α-E545K: 4.6 μM; p110α-H1047R: 99 nM; p110β: 166 nM; p110δ: 116 nM; p110γ: 262 μM; Vps34: 2.4 μM
IUPAC Name	5-(2,6-Dimorpholin-4-ylpyrimidin-4-yl)-4-(trifluoromethyl)pyridin-2-amine;hydrochloride
InChI	InChI=1S/C18H21F3N6O2.ClH/c19-18(20,21)13-9-15(22)23-11-12(13)14-10-16(26-1-5-28-6-2-26)25-17(24-14)27-3-7-29-8-4-27;/h9-11H,1-8H2,(H2,22,23);1H
InChI Key	DGPLYAXBXJXEID-UHFFFAOYSA-N
Canonical SMILES	C1COCCN1C2=NC(=NC(=C2)C3=CN=C(C=C3C(F)(F)F)N)N4CCOCC4.Cl
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	NVP-BKM120 hydrochloride targets PI3K for studying cancer cell proliferation and survival.
Storage	Store at -20°C.