

## Product Information

### PI3K inhibitor Panulisib, Purity $\geq 98\%$

**Cat. No.:** X24-05-ZQ125

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

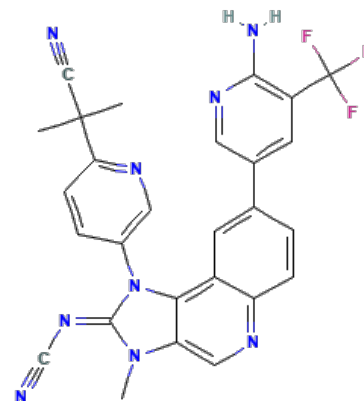
**CAS Number:** 1356033-60-7

**Compound CID:** 56947515

**Synonym:** 1356033-60-7; AK151761; AK 151761; AK-151761; P7170; AK151761;

PI3K inhibitor

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



#### Product Information

<b>Description</b>	Panulisib is a potent compound that inhibits PI3 kinase activity.
<b>Molecular Weight</b>	527.50321
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>20</sub> F <sub>3</sub> N <sub>9</sub>
<b>IUPAC Name</b>	[8-[6-Amino-5-(trifluoromethyl)pyridin-3-yl]-1-[6-(2-cyanopropan-2-yl)pyridin-3-yl]-3-methylimidazo[4,5-c]quinolin-2-ylidene]cyanamide
<b>InChI</b>	InChI=1S/C27H20F3N9/c1-26(2,13-31)22-7-5-17(11-35-22)39-23-18-8-15(16-9-19(27(28,29)30)24(33)36-10-16)4-6-20(18)34-12-21(23)38(3)25(39)37-14-32/h4-12H,1-3H3,(H2,33,36)
<b>InChI Key</b>	VJLRLTSXTLICIR-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC(C)(C#N)C1=NC=C(C=C1)N2C3=C4C=C(C=CC4=NC=C3N(C2=NC#N)C)C5=CC(=C(N=C5)N)C(F)(F)F
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Applications</b>	Panulisib is a dual PI3K/mTOR inhibitor used to study cancer cell growth and survival.
<b>Storage</b>	Store at -20°C.