

## Product Information

### PI3K inhibitor PF-4989216, Purity $\geq 98\%$

**Cat. No.:** X24-05-ZQ127

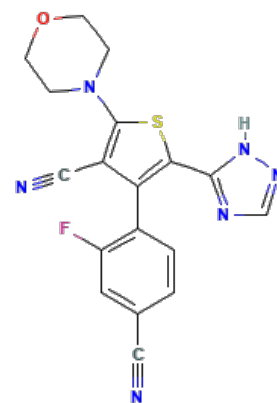
**Size:** 5 mg; 10 mg; 25 mg

**CAS Number:** 1276553-09-3

**Compound CID:** 51033720

**Synonym:** 1276553-09-3; PF4989216; PF 4989216; PI3K inhibitor

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



#### Product Information

<b>Description</b>	PF-4989216, soluble in DMSO and warmed ethanol and insoluble in water, is a potent compound that inhibits PI3 kinase activity. It targets p110 $\alpha$ , p110 $\beta$ , p110 $\delta$ , p110 $\gamma$ , and Vps34.
<b>Molecular Weight</b>	380.4
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>13</sub> FN <sub>6</sub> OS
<b>Targets</b>	p110 $\alpha$ : 2 nM; p110 $\beta$ : 142 nM; p110 $\delta$ : 1 nM; p110 $\gamma$ : 65 nM; Vps34: 110 nM
<b>IUPAC Name</b>	4-(4-Cyano-2-fluorophenyl)-2-morpholin-4-yl-5-(1H-1,2,4-triazol-5-yl)thiophene-3-carbonitrile
<b>InChI</b>	InChI=1S/C18H13FN6OS/c19-14-7-11(8-20)1-2-12(14)15-13(9-21)18(25-3-5-26-6-4-25)27-16(15)17-22-10-23-24-17/h1-2,7,10H,3-6H2,(H,22,23,24)
<b>InChI Key</b>	MUENOTXSRZEFJV-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C1COCCN1C2=C(C(=C(S2)C3=NC=NN3)C4=C(C=C(C=C4)C#N)F)C#N
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Solubility</b>	DMSO: 66 mg/mL (173.49 mM); Water: Insoluble; Warmed ethanol: 6 mg/mL (15.77 mM)
<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>	PF-4989216 is utilized to investigate PI3K $\gamma$ signaling in cancer and inflammation.
<b>Storage</b>	Store at -20°C.