

## Product Information

### PI3K inhibitor MLN1117, Purity $\geq$ 98%

**Cat. No.:** X24-05-ZQ115

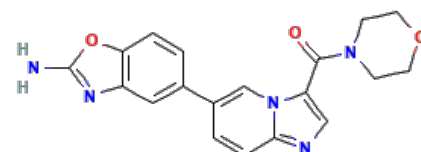
**Size:** 10 mg; 25 mg; 50 mg

**CAS Number:** 1268454-23-4

**Compound CID:** 70798655

**Synonym:** 1268454-23-4; Serabelisib; INK1117; INK-1117; INK 1117; MLN 1117;

MLN-1117; TAK-117; TAK 117; TAK117; PI3K inhibitor



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

#### Product Information

<b>Description</b>	MLN1117, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. It targets mTOR, p110 $\alpha$ , p110 $\beta$ , p110 $\delta$ , and p110 $\gamma$ .
<b>Molecular Weight</b>	363.13
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>17</sub> N <sub>5</sub> O <sub>3</sub>
<b>Targets</b>	mTOR: 1670 nM; p110 $\alpha$ : 15 nM; p110 $\beta$ : 4500 nM; p110 $\delta$ : 13900 nM; p110 $\gamma$ : 1900 nM
<b>IUPAC Name</b>	[6-(2-Amino-1,3-benzoxazol-5-yl)imidazo[1,2-a]pyridin-3-yl]-morpholin-4-ylmethanone
<b>InChI</b>	InChI=1S/C19H17N5O3/c20-19-22-14-9-12(1-3-16(14)27-19)13-2-4-17-21-10-15(24(17)11-13)18(25)23-5-7-26-8-6-23/h1-4,9-11H,5-8H2,(H2,20,22)
<b>InChI Key</b>	BLGWHBSBBJNKJO-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C1COCCN1C(=O)C2=CN=C3N2C=C(C=C3)C4=CC5=C(C=C4)OC(=N5)N
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq$ 98%
<b>Solubility</b>	DMSO: 15 mg/mL (41.28 mM); Water: Insoluble; Ethanol: Insoluble
<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>	MLN1117 serves to explore PI3K $\alpha$ inhibition and its role in cancer treatment.
<b>Storage</b>	Store at -20°C.