

## Product Information

### PI3K inhibitor IPI-145, Purity $\geq 98\%$

**Cat. No.:** X24-05-ZQ105

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

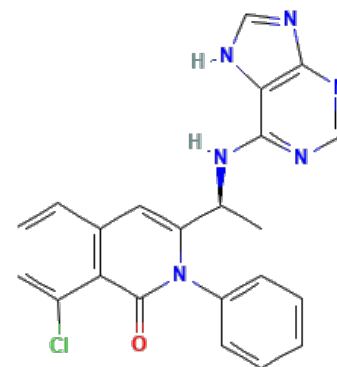
**CAS Number:** 1201438-56-3

**Compound CID:** 50905713

**Synonym:** 1201438-56-3; Duvelisib; IPI145; IPI 145; IPI-145. INK-1197; INK 1197;

INK1197; PI3K inhibitor

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



#### Product Information

<b>Description</b>	IPI-145, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. It targets PI3K $\delta$ , PI3K $\gamma$ , PI3K $\alpha$ , PI3K $\beta$ , PI3K $\delta$ , and PI3K $\gamma$ .
<b>Molecular Weight</b>	416.86
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>17</sub> ClN <sub>6</sub> O
<b>Targets</b>	PI3K $\delta$ : 23 pM (Ki); PI3K $\gamma$ : 243pM (Ki); PI3K $\alpha$ : 25900 pM (Ki); PI3K $\beta$ : 1564pM (Ki); PI3K $\delta$ : 23pM (Ki); PI3K $\gamma$ : 243pM (Ki)
<b>IUPAC Name</b>	8-Chloro-2-phenyl-3-[(1S)-1-(7H-purin-6-ylamino)ethyl]isoquinolin-1-one
<b>InChI</b>	InChI=1S/C22H17ClN6O/c1-13(28-21-19-20(25-11-24-19)26-12-27-21)17-10-14-6-5-9-16(23)18(14)22(30)29(17)15-7-3-2-4-8-15/h2-13H,1H3,(H2,24,25,26,27,28)/t13-/m0/s1
<b>InChI Key</b>	SJVQHLPISAIATJ-ZDUSSCGKSA-N
<b>Canonical SMILES</b>	CC(C1=CC2=C(C(=CC=C2)Cl)C(=O)N1C3=CC=CC=C3)NC4=NC=NC5=C4NC=N5
<b>Isomeric SMILES</b>	C[C@@H](C1=CC2=C(C(=CC=C2)Cl)C(=O)N1C3=CC=CC=C3)NC4=NC=NC5=C4NC=N5
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Solubility</b>	DMSO: 76 mg/mL (182.31 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>	IPI-145 is used to evaluate dual inhibition of PI3K- $\delta$ and PI3K- $\gamma$ isoforms, important for researching blood cancers.



**Storage**

Store at -20°C.

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