

## Product Information

### PI3K inhibitor PIK-293, Purity $\geq 98\%$

**Cat. No.:** X24-05-ZQ142

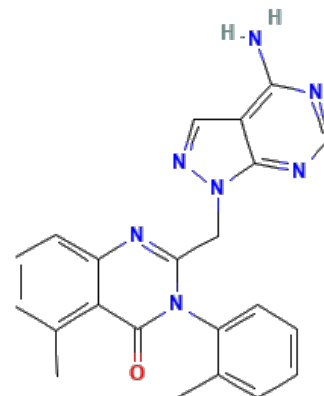
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**CAS Number:** 900185-01-5

**Compound CID:** 53245636

**Synonym:** 900185-01-5; PIK293; PI3K inhibitor

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



#### Product Information

<b>Description</b>	PIK-293, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. It targets p110 $\alpha$ , p110 $\beta$ , p110 $\delta$ , and p110 $\gamma$ .
<b>Molecular Weight</b>	397.4
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>19</sub> N <sub>7</sub> O
<b>Targets</b>	p110 $\alpha$ : 100 $\mu$ M; p110 $\beta$ : 25 $\mu$ M; p110 $\delta$ : 0.24 $\mu$ M; p110 $\gamma$ : 10 $\mu$ M
<b>IUPAC Name</b>	2-[(4-Aminopyrazolo[3,4-d]pyrimidin-1-yl)methyl]-5-methyl-3-(2-methylphenyl)quinazolin-4-one
<b>InChI</b>	InChI=1S/C22H19N7O/c1-13-6-3-4-9-17(13)29-18(27-16-8-5-7-14(2)19(16)22(29)30)11-28-21-15(10-26-28)20(23)24-12-25-21/h3-10,12H,11H2,1-2H3,(H2,23,24,25)
<b>InChI Key</b>	KQDBVHKNIYROHU-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC1=C2C(=CC=C1)N=C(N(C2=O)C3=CC=CC=C3C)CN4C5=NC=NC(=C5C=N4)N
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Solubility</b>	DMSO: 75 mg/mL (188.71 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>	PIK-293 targets PI3K for studying its role in oncogenic signaling.
<b>Storage</b>	Store at -20°C.