

## Product Information

### PI3K inhibitor YM201636, Purity $\geq$ 98%

**Cat. No.:** X24-05-ZQ176

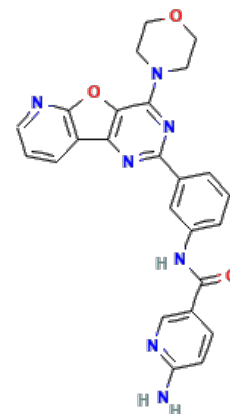
**Size:** 5 mg; 10 mg; 25 mg; 50 mg

**CAS Number:** 371942-69-7

**Compound CID:** 9956222

**Synonym:** 371942-69-7; YM-201636; PI3K inhibitor

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



#### Product Information

<b>Description</b>	YM201636, soluble in DMSO and insoluble in ethanol and water, is a potent compound that inhibits PI3 kinase activity. It targets p110 $\alpha$ and PIKfyve.
<b>Molecular Weight</b>	467.5
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>21</sub> N <sub>7</sub> O <sub>3</sub>
<b>Targets</b>	p110 $\alpha$ : 3.3 $\mu$ M; PIKfyve: 33 $\mu$ M
<b>IUPAC Name</b>	6-Amino-N-[3-(6-morpholin-4-yl-8-oxa-3,5,10-triazatricyclo[7.4.0.0 <sup>2,7</sup> ]trideca-1(9),2(7),3,5,10,12-hexaen-4-yl)phenyl]pyridine-3-carboxamide
<b>InChI</b>	InChI=1S/C25H21N7O3/c26-19-7-6-16(14-28-19)24(33)29-17-4-1-3-15(13-17)22-30-20-18-5-2-8-27-25(18)35-21(20)23(31-22)32-9-11-34-12-10-32/h1-8,13-14H,9-12H2,(H2,26,28)(H,29,33)
<b>InChI Key</b>	YBPIBGNBHHGLEB-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C1COCCN1C2=NC(=NC3=C2OC4=C3C=CC=N4)C5=CC(=CC=C5)NC(=O)C6=CN=C(C=C6)N
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq$ 98%
<b>Solubility</b>	DMSO: 31 mg/mL (66.3 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>	YM201636 is used to research the inhibition of PIKfyve and its effects on cellular trafficking and endocytosis.



**Storage**

Store at -20°C.

---