

## Product Information

### PI3K inhibitor TGR-1202, Purity $\geq 98\%$

**Cat. No.:** X24-05-ZQ166

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

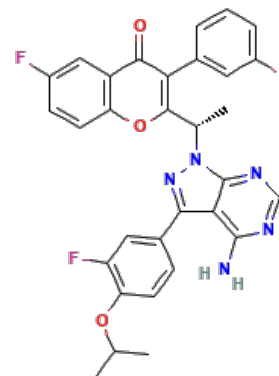
**CAS Number:** 1532533-67-7

**Compound CID:** 72950888

**Synonym:** 1532533-67-7; Umbralisib; RP5264; TGR1202; TGR 1202; RP-5264; RP

5264; PI3K inhibitor

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



#### Product Information

<b>Description</b>	TGR-1202, soluble in warmed DMSO and warmed ethanol and insoluble in water, is a potent compound that inhibits PI3 kinase activity. It targets PI3K $\alpha$ , PI3K $\beta$ , PI3K $\delta$ , PI3K $\delta$ , and PI3K $\gamma$ .
<b>Molecular Weight</b>	571.55
<b>Molecular Formula</b>	C <sub>31</sub> H <sub>24</sub> F <sub>3</sub> N <sub>5</sub> O <sub>3</sub>
<b>Targets</b>	PI3K $\alpha$ : >10000 nM (Kd); PI3K $\beta$ : >10000 nM (Kd); PI3K $\delta$ : 22.2 nM (EC <sub>50</sub> ); PI3K $\delta$ : 6.2 nM (Kd); PI3K $\gamma$ : 1400 nM (Kd)
<b>IUPAC Name</b>	2-[(1S)-1-[4-amino-3-(3-fluoro-4-propan-2-yloxyphenyl)pyrazolo[3,4-d]pyrimidin-1-yl]ethyl]-6-fluoro-3-(3-fluorophenyl)chromen-4-one
<b>InChI</b>	InChI=1S/C31H24F3N5O3/c1-15(2)41-24-9-7-18(12-22(24)34)27-26-30(35)36-14-37-31(26)39(38-7)16(3)29-25(17-5-4-6-19(32)11-17)28(40)21-13-20(33)8-10-23(21)42-29/h4-16H,1-3H3,(H2,35,36,37)/t16-m/s1
<b>InChI Key</b>	IUVCFHHAEHNCFT-INIZCTEOSA-N
<b>Canonical SMILES</b>	CC(C)OC1=C(C=C(C=C1)C2=NN(C3=NC=NC(=C23)N)C(C)C4=C(C(=O)C5=C(O4)C=CC(=C5)F)C6=CC(=CC=C6)F)F
<b>Isomeric SMILES</b>	C[C@@H](C1=C(C(=O)C2=C(O1)C=CC(=C2)F)C3=CC(=CC=C3)F)N4C5=NC=NC(=C5C(=N4)C6=CC(=C(C=C6)OC(C)C)F)N
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Solubility</b>	Warmed DMSO: 92 mg/mL (160.96 mM); Water: Insoluble; Warmed ethanol: 6 mg/mL
<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>	TGR-1202 is used to investigate the selective inhibition of PI3K $\delta$ and its implications in B-cell malignancies and autoimmune disorders.
<b>Storage</b>	Store at -20°C.

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