

## Product Information

### PI3K inhibitor GDC-0077, Purity ≥98%

**Cat. No.:** X24-05-ZQ092

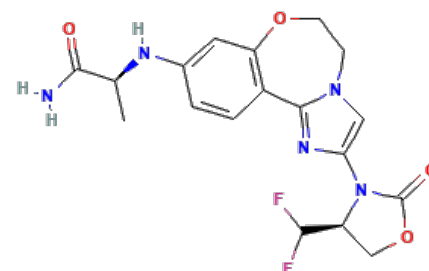
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**CAS Number:** 2060571-02-8

**Compound CID:** 124173720

**Synonym:** 2060571-02-8; RG6114; RG 6114; RG-6114; GDC-0077; GDC0077; GDC 0077; PI3K inhibitor

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



#### Product Information

<b>Description</b>	GDC-0077 is a potent compound that inhibits PI3 kinase activity. It targets PI3Kα.
<b>Molecular Weight</b>	407.37
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>19</sub> F <sub>2</sub> N <sub>5</sub> O <sub>4</sub>
<b>Targets</b>	PI3Kα: 0.038 nM
<b>IUPAC Name</b>	(2S)-2-[[2-[(4S)-4-(difluoromethyl)-2-oxo-1,3-oxazolidin-3-yl]-5,6-dihydroimidazo[1,2-d][1,4]benzoxazepin-9-yl]amino]propanamide
<b>InChI</b>	InChI=1S/C18H19F2N5O4/c1-9(16(21)26)22-10-2-3-11-13(6-10)28-5-4-24-7-14(23-17(11)24)25-12(15(19)20)8-29-18(25)27/h2-3,6-7,9,12,15,22H,4-5,8H2,1H3,(H2,21,26)/t9-,12-/m0/s1
<b>InChI Key</b>	SGEUNORSOZVTOL-CABZTGNLSA-N
<b>Canonical SMILES</b>	CC(C(=O)N)NC1=CC2=C(C=C1)C3=NC(=CN3CCO2)N4C(COC4=O)C(F)F
<b>Isomeric SMILES</b>	C[C@@H](C(=O)N)NC1=CC2=C(C=C1)C3=NC(=CN3CCO2)N4[C@@H](COC4=O)C(F)F
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<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>	GDC-0077 serves in evaluating the PI3Kα-specific inhibition in cancer cells, crucial for targeted cancer therapies.
<b>Storage</b>	Store at -20°C.