

## Product Information

### CDK inhibitor CDK9-IN-1, Purity $\geq 98\%$

**Cat. No.:** X24-05-ZQ823

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

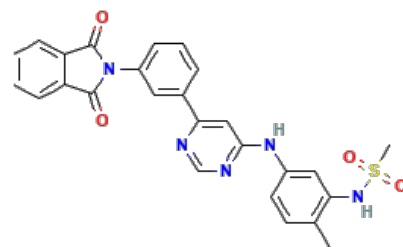
**CAS Number:** 1415559-43-1

**Compound CID:** 66577006

**Synonym:** 1415559-43-1; CDK9-IN-1; *N*

-[5-[[6-[3-(1,3-dioxisoindol-2-yl)phenyl]pyrimidin-4-yl]amino]-2-methylphenyl]methane sulfonamide; ChEMBL3392878; CDK inhibitor

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



#### Product Information

<b>Description</b>	CDK9-IN-1 is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK9/CycT1.
<b>Molecular Weight</b>	499.54
<b>Molecular Formula</b>	C <sub>26</sub> H <sub>21</sub> N <sub>5</sub> O <sub>4</sub> S
<b>Targets</b>	CDK9/CycT1: 39 nM
<b>IUPAC Name</b>	<i>N</i> -[5-[[6-[3-(1,3-dioxisoindol-2-yl)phenyl]pyrimidin-4-yl]amino]-2-methylphenyl]methanesulfonamide
<b>InChI</b>	InChI=1S/C26H21N5O4S/c1-16-10-11-18(13-22(16)30-36(2,34)35)29-24-14-23(27-15-28-24)17-6-5-7-19(12-17)31-25(32)20-8-3-4-9-21(20)26(31)33/h3-15,30H,1-2H3,(H,27,28,29)
<b>InChI Key</b>	CKUFOBCNTCLXJP-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC1=C(C=C(C=C1)NC2=NC=NC(=C2)C3=CC(=CC=C3)N4C(=O)C5=CC=CC=C5C4=O)NS(=O)(=O)C
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<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>	CDK9-IN-1 is utilized to study the selective inhibition of CDK9 and its implications in transcription and cancer.
<b>Storage</b>	Store at -20°C.