

## Product Information

### CDK inhibitor LDC4297, Purity ≥98%

**Cat. No.:** X24-05-ZQ827

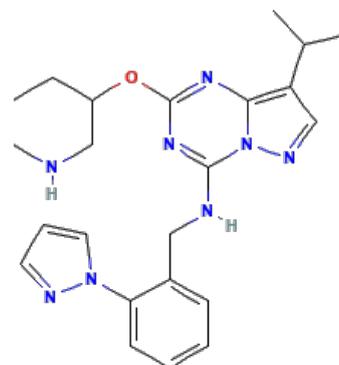
**Size:** 2 mg; 5 mg; 10 mg; 50 mg

**CAS Number:** 1453834-21-3

**Compound CID:** 78161839

**Synonym:** 1453834-21-3; LDC 4297; LDC-4297; CDK inhibitor

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



#### Product Information

<b>Description</b>	LDC4297 is an CDK kinase inhibitor that disrupts cell division processes. It targets CDK7, HSV-1, and HSV-2.
<b>Molecular Weight</b>	432.52
<b>Molecular Formula</b>	C <sub>23</sub> H <sub>28</sub> N <sub>8</sub> O
<b>Targets</b>	CDK7: 0.13 nM; HSV-1: 0.02 μM (EC <sub>50</sub> ); HSV-2: 0.27 μM (EC <sub>50</sub> )
<b>IUPAC Name</b>	2-(Piperidin-3-yloxy-8-propan-2-yl-N- -[(2-pyrazol-1-yl)phenyl)methyl]pyrazolo[1,5-a][1,3,5]triazin-4-amine
<b>InChI</b>	InChI=1S/C23H28N8O/c1-16(2)19-15-27-31-21(19)28-23(32-18-8-5-10-24-14-18)29-22(31)25-13-17-7-3-4-9-20(17)30-12-6-11-26-30/h3-4,6-7,9,11-12,15-16,18,24H,5,8,10,13-14H2,1-2H3,(H,25,28,29)
<b>InChI Key</b>	LSGRZENCFFIIHNV-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CC(C)C1=C2N=C(N=C(N2N=C1)NCC3=CC=CC=C3N4C=CC=N4)OC5CCCNC5
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Solubility</b>	DMSO: 78 mg/mL (180.33 mM); Ethanol: 25 mg/mL (57.8 mM)
<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>	LDC4297 is employed to study its role as a CDK9 inhibitor and its effects on RNA polymerase II-mediated transcription.



**Storage**

Store at -20°C.

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