

Product Information

CDK inhibitor SY-1365, Purity ≥98%

Cat. No.: X24-05-ZQ792

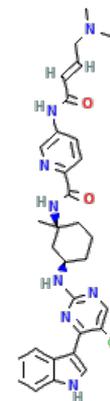
Size: 5 mg; 10 mg; 50 mg

CAS Number: 1816989-16-8

Compound CID: 118426108

Synonym: 1816989-16-8; SY1365; SY 1365; CDK inhibitor

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



Product Information

Description	SY-1365 is an CDK kinase inhibitor that disrupts cell division processes.
Molecular Weight	587.12
Molecular Formula	C ₃₁ H ₃₅ ClN ₈ O ₂
IUPAC Name	<i>N</i> -[[(1 <i>S</i> ,3 <i>R</i>)-3-[[5-chloro-4-(1 <i>H</i> -indol-3-yl)pyrimidin-2-yl]amino]-1-methylcyclohexyl]-5-[[<i>E</i>]-4-(dimethylamino)but-2-enoyl]amino]pyridine-2-carboxamide
InChI	InChI=1S/C31H35ClN8O2/c1-31(39-29(42)26-13-12-21(17-33-26)36-27(41)11-7-15-40(2)3)14-6-8-20(16-31)37-30-35-19-24(32)28(38-30)23-18-34-25-10-5-4-9-22(23)25/h4-5,7,9-13,17-20,34H,6,8,14-16H2,1-3H3,(H,36,41)(H,39,42)(H,35,37,38)/b11-7+/t20-,31+/m1/s1
InChI Key	SCJNYBYSTCRPAO-LXBQGUBHSA-N
Canonical SMILES	CC1(CCCC(C1)NC2=NC=C(C(=N2)C3=CNC4=CC=CC=C43)Cl)NC(=O)C5=NC=C(C=C5)NC(=O)C=CCN(C)C
Isomeric SMILES	C[C@@]1(CCC[C@H](C1)NC2=NC=C(C(=N2)C3=CNC4=CC=CC=C43)Cl)NC(=O)C5=NC=C(C=C5)NC(=O)/C=C/CN(C)C
Form	Lyophilized powder
Purity	≥98%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	SY-1365 can be used to investigate its inhibition of CDK7 and its potential therapeutic effects on transcription and cancer.



Storage

Store at -20°C.
