



Product Information

CDK inhibitor Centrinone, Purity ≥98%

Cat. No.: X24-05-ZQ718

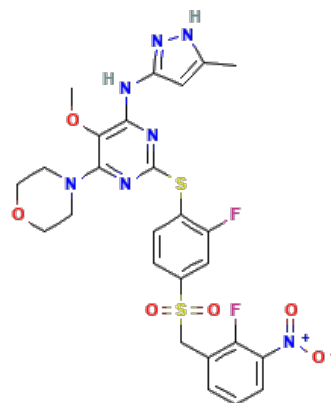
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 1798871-30-3

Compound CID: 91801159

Synonym: 1798871-30-3; LCR-263; LCR 263; LCR263; CDK inhibitor

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



Product Information

Description	Centrinone is an CDK kinase inhibitor that disrupts cell division processes. It targets Aurora A, Aurora B, PLK4, and PLK4 (G95L).
Molecular Weight	633.65
Molecular Formula	C ₂₆ H ₂₅ F ₂ N ₇ O ₆ S ₂
Targets	Aurora A: 171 nM (Ki); Aurora B: 436.76 nM (Ki); PLK4: 0.16 nM (Ki); PLK4 (G95L): 68.57 nM (Ki)
IUPAC Name	2-[2-Fluoro-4-[(2-fluoro-3-nitrophenyl)methylsulfonyl]phenyl]sulfanil-5-methoxy-N-(5-methyl-1H-pyrazol-3-yl)-6-morpholin-4-ylpyrimidin-4-amine
InChI	InChI=1S/C26H25F2N7O6S2/c1-15-12-21(33-32-15)29-24-23(40-2)25(34-8-10-41-11-9-34)31-26(30-24)42-20-7-6-17(13-18(20)27)43(38,39)14-16-4-3-5-19(22(16)28)35(36)37/h3-7,12-13H,8-11,14H,2,1-2H3,(H2,29,30,31,32,33)
InChI Key	HHJSKDRUMVWKF-UHFFFAOYSA-N
Canonical SMILES	CC1=CC(=NN1)NC2=C(C(=NC(=N2)SC3=C(C=C(C=C3)S(=O)(=O)CC4=C(C(=CC=C4)[N+](=O)[O-])F)F)N5CCOCC5)OC
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	Centrinone can be used to study its role as a centrin inhibitor and its potential effects on disrupting centrosome function in cancer cells.



Storage

Store at -20°C.
