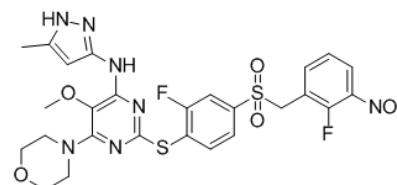


Product Name : Centrinone
Cat. No. : PC-45523
CAS No. : 1798871-30-3
Molecular Formula : C₂₆H₂₅F₂N₇O₆S₂
Molecular Weight : 633.6468
Target : Polo-like Kinase (PLK)
Solubility : DMSO: ≥ 31 mg/mL



Biological Activity

Centrinone (LCR-263) is a selective, reversible **PLK4** inhibitor with K_i of 0.16 nM in vitro.

Centrinone (LCR-263) causes centrosome depletion at 100 nM in human and other vertebrate cells.

Centrinone (LCR-263) shows >1000-fold selectivity over Aurora A and Aurara B; leads to irreversible, p53-dependent G1 arrest by an unknown mechanism.

References

Wong YL, et al. *Science*. 2015 Jun 5;348(6239):1155-60.

Meitinger F, et al. *J Cell Biol*. 2016 Jul 18;214(2):155-66.

Guizzunti G, et al. *Proc Natl Acad Sci U S A*. 2016 Oct 25;113(43):E6590-E6599.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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