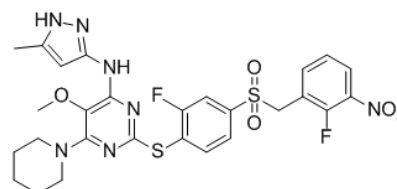


Product Name : Centrinone-B
Cat. No. : PC-45524
CAS No. : 1798871-31-4
Molecular Formula : C₂₇H₂₇F₂N₇O₅S₂
Molecular Weight : 631.674
Target : Polo-like Kinase (PLK)
Solubility : DMSO: 8.5 mg/mL



Biological Activity

Centrinone-B (LCR-323) is a selective, reversible **PLK4** inhibitor with K_i of 0.6 nM in vitro. Centrinone-B (LCR-323) causes centrosome depletion at 500 nM in human and other vertebrate cells. Centrinone-B (LCR-323) shows >2000-fold selectivity over Aurora A and Aurora B. Centrinone-B (LCR-323) 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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