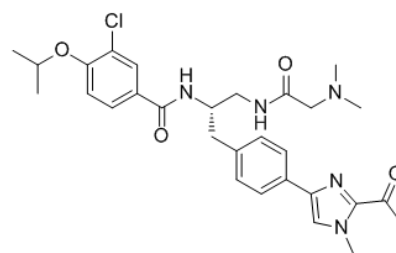


Product Name : PF-2771
Cat. No. : PC-45640
CAS No. : 2070009-55-9
Molecular Formula : C₂₉H₃₆ClN₅O₄
Molecular Weight : 554.0803
Target : Kinesin
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

PF-2771 is a potent, selective centromere protein E (**CENP-E**) inhibitor with IC₅₀ of 16.1 nM.

PF-2771 does not inhibit the ATPase activities of highly related kinesins (Eg5/KSP, chromokinesin and MCAK, IC₅₀ > 1 μM).

PF-2771 selectively inhibits proliferation of basal breast cancer cell lines.

PF-2771 regresses tumor growth correlated with increased phospho-HH3-Ser10 levels in a breast cancer xenograft tumor model.

References

Kung PP, et al. *Mol Cancer Ther.* 2014 Aug;13(8):2104-15.

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

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