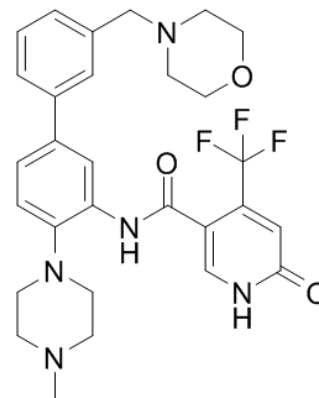


Product Name : OICR-9429
Cat. No. : PC-45120
CAS No. : 1801787-56-3
Molecular Formula : C₂₉H₃₂F₃N₅O₃
Molecular Weight : 555.5913
Target : Histone Methyltransferase (HMTase)
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

OICR-9429 is a potent, selective, small-molecule antagonist of **WDR5-MLL** interaction that binds to WDR5 with K_d of 93±28 nM.

OICR-9429 competitively disrupts the interaction with a high-affinity Wdr5-Interacting (WIN) peptide of MLL (K_{disp}=64 nM).

OICR-9429 shows no significant binding or inhibition for 22 human methyltransferases, 9 different WD40- and histone reader domains.

OICR-9429 selectively inhibits proliferation and induces differentiation in p30-expressing human AML cells.

References

Grebien F, et al. *Nat Chem Biol*. 2015 Aug;11(8):571-578.

Getlik M, et al. *J Med Chem*. 2016 Mar 24;59(6):2478-96.

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

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