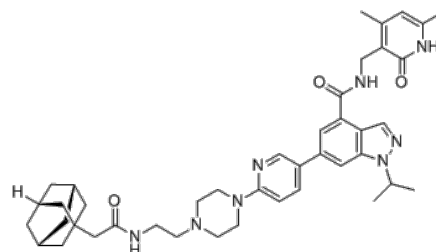


Product Name : MS1943
Cat. No. : PC-38300
CAS No. : 2225938-17-8
Molecular Formula : C₄₂H₅₄N₈O₃
Molecular Weight : 718.95
Target : Histone Methyltransferase (HMTase)
Solubility : 100 mM in DMSO



Biological Activity

MS1943 (MS-1943) is a first-in-class, orally bioavailable **EZH2 selective degrader** that effectively reduces EZH2 levels in cells, inhibits EZH2 methyltransferase activity with IC₅₀ of 120 nM.

MS1943 is highly selective for EZH2 over a wide range of methyltransferases including EZH1, as well as 45 kinases.

MS1943 inhibited TNBC cells that express EZH2 (HCC1187, HCC70, BT549 and HCC1954, GI50s=1.1-4.9 uM), but not EZH2 inhibitors (GSK126, CPI-1205, EPZ6438 and C24).

MS1943 reduces EZH2 levels in cancer cells, suppresses tumor growth in vivo.

References

Anqi Ma, et al. *Nat Chem Biol.* 2020 Feb;16(2):214-222.

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

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