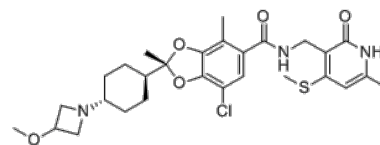

Product Name	: Tulmimetostat
Cat. No.	: PC-73451
CAS No.	: 2567686-02-4
Molecular Formula	: C ₂₈ H ₃₆ ClN ₃ O ₅ S
Molecular Weight	: 562.122
Target	: Histone Methyltransferase (HMTase)
Solubility	: 10 mM in DMSO



Biological Activity

Tulmimetostat (CPI-0209) is a potent, selective, orally available **EZH2** inhibitor with K_i of 140 fM by kinetic analyses and K_i 180 fM by thermal shift assays.

Tulmimetostat (CPI-0209) only inhibits EZH2 and the closely related EZH1 enzyme against a panel of over 30 protein and DNA methyltransferases at 10 μM.

Tulmimetostat (CPI-0209) potently inhibits global H3K27me3 levels in cell-based assays with IC₅₀ of 0.38 nM, >50-fold more potent than Tazemetostat.

Tulmimetostat (CPI-0209) potently inhibits KARPAS-422 cell proliferation in a dose-dependent manner (IC₅₀=6 nM), >50-fold more potent than Tazemetostat.

Tulmimetostat (CPI-0209) exhibits a profound reduction in global H3K27me3 levels in tumors and growth inhibitory effect in KARPAS-422 mouse xenograft model.

References

- Patent WO2021016409 A1.
- Keller PJ, et al. **Cancer Res.** 2024 Jun 4. doi: 10.1158/0008-5472.CAN-24-0398.

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

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