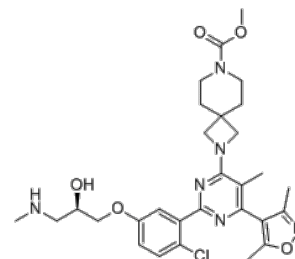

Product Name	: EZM 2302
Cat. No.	: PC-61030
CAS No.	: 1628830-21-6
Molecular Formula	: C ₂₉ H ₃₇ ClN ₆ O ₅
Molecular Weight	: 585.102
Target	: Histone Methyltransferase (HMTase)
Solubility	: 100 mM in DMSO



Biological Activity

EZM 2302 (EZM2302, GSK 3359088) is a potent, selective, orally available arginine methyltransferase **CARM1** inhibitor with IC₅₀ of 6 nM, with broad selectivity against other HMTases.

EZM 2302 demonstrates in vitro anti-proliferative activity consistent with specific methyl mark inhibition with IC₅₀ of <100 nM in 9/15 multiple myeloma cell lines, decreases methylation of PABP1 (IC₅₀ =38 nM) and SmB (IC₅₀=18 nM).

EZM 2302 displays dose-dependent inhibition of CARM1 substrate methylation in vivo, and induces growth inhibition of human multiple myeloma tumor xenografts in mice.

References

Drew AE, et al. **Sci Rep.** 2017 Dec 21;7(1):17993.

Greenblatt SM, et al. **Cancer Cell.** 2018 Jun 11;33(6):1111-1127.e5.

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

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