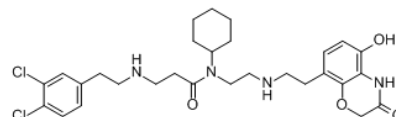


Product Name : AZ505
Cat. No. : PC-44245
CAS No. : 1035227-43-0
Molecular Formula : C₂₉H₃₈Cl₂N₄O₄
Molecular Weight : 577.5424
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

AZ505 (AZ-505, AZ 505) is a potent and selective inhibitor of protein lysine methyltransferase **SMYD2** with IC₅₀ of 0.12 μM, displays >600-fold against other histone methyltransferases, such as SMYD3 and EZH2.

AZ505 suppresses BMP2-induced SMAD1/5 phosphorylation, delays cyst growth in both early- and later-stage Pkd1 conditional knockout mouse models.

AZ505 also significantly reduced tumor growth in vivo in triple-negative breast cancer (TNBC) models.

References

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Li LX, et al. *J Clin Invest*. 2017 Jun 30;127(7):2751-2764.

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

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