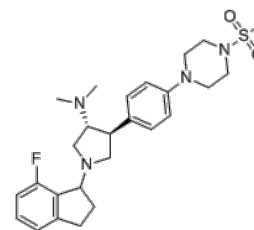

Product Name	: A-395
Cat. No.	: PC-62309
CAS No.	: 2089148-72-9
Molecular Formula	: C ₂₆ H ₃₅ N ₄ O ₂ S
Molecular Weight	: 486.650
Target	: Histone Methyltransferase (HMTase)
Solubility	: 200 mM in DMSO (97.3 mg/mL)



Biological Activity

A-395 (A395) is a potent, selective, and cellularly active **PRC2 subunit EED** inhibitor with K_d of 1.5 nM.

A-395 potently inhibits the trimeric PRC2 complex (EZH2-EED-SUZ12) with IC₅₀ of 18 nM, and inhibits PRC2 at 1 and 50 μM. A-395 shows no activity against any of the other protein lysine methyltransferases, arginine methyltransferases, or DNA methyltransferases.

A-395 inhibits both H3K27me₂ and H3K27me₃ with IC₅₀ of 390 nM and 90 nM, respectively; exhibits potent antitumor efficacy in vivo.

References

He Y, et al. *Nat Chem Biol*. 2017 Apr;13(4):389-395.

Cancer Discov. 2017 Apr;7(4):OF8. doi: 10.1158/2159-8290.CD-RW2017-030.

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

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