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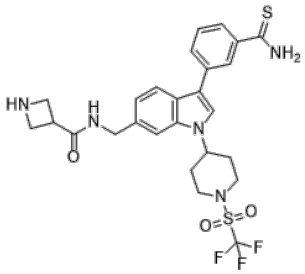
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	ASH1L inhibitor AS-85
Cat. No.	:	PC-23490
CAS No.	:	2323623-80-7
Molecular Formula	:	$C_{26}H_{28}F_3N_5O_3S_2$
Molecular Weight	:	579.66
Target	:	Histone Methyltransferase (HMTase)
Solubility	:	10 mM in DMSO



Biological Activity

ASH1L inhibitor AS-85 (AS85) is a first-in-class, potent, selective inhibitor of **ASH1L** histone methyltransferase with IC50 of 0.6 uM.
AS-85 binds to the ASH1L SET domain with Kd value of 0.78 uM.
AS-85 inhibits the growth of leukemia cells (MV4;11, MOLM13, and KOPN8) harboring different MLL1 translocations, with GI50 values ranging from 5 μM to 25 μM, and demonstrates no effect in K562 leukemia cells without MLL1 translocations.

References

David S Rogawski, et al. ***Nat Commun.*** 2021 May 14;12(1):2792.

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

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