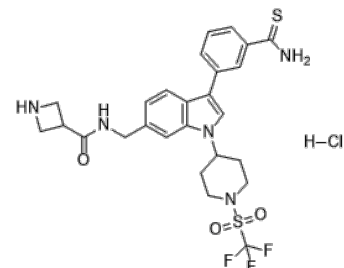


Product Name : ASH1L inhibitor AS-85 hydrochloride
Cat. No. : PC-23491
CAS No. : 2323623-81-8
Molecular Formula : C₂₆H₂₉ClF₃N₅O₃S₂
Molecular Weight : 616.12
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

ASH1L inhibitor AS-85 hydrochloride (AS85) is a first-in-class, potent, selective inhibitor of ASH1L histone methyltransferase with IC₅₀ of 0.6 μM.

AS-85 binds to the ASH1L SET domain with K_d value of 0.78 μM.

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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