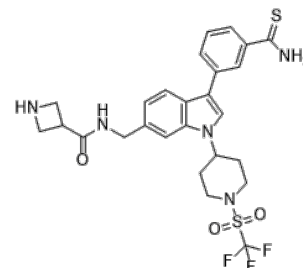


**Product Name** : ASH1L inhibitor AS-85  
**Cat. No.** : PC-23490  
**CAS No.** : 2323623-80-7  
**Molecular Formula** : C<sub>26</sub>H<sub>28</sub>F<sub>3</sub>N<sub>5</sub>O<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 579.66  
**Target** : Histone Methyltransferase (HMTase)  
**Solubility** : 10 mM in DMSO



## Biological Activity

ASH1L inhibitor AS-85 (AS85) is a first-in-class, potent, selective inhibitor of ASH1L histone methyltransferase with IC<sub>50</sub> of 0.6 μM.

AS-85 binds to the ASH1L SET domain with K<sub>d</sub> value of 0.78 μM.

AS-85 inhibits the growth of leukemia cells (MV4;11, MOLM13, and KOPN8) harboring different MLL1 translocations, with GI<sub>50</sub> 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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