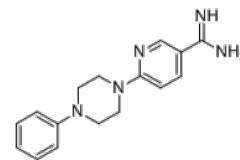


**Product Name** : C1s inhibitor A1  
**Cat. No.** : PC-21586  
**CAS No.** : 1016866-61-7  
**Molecular Formula** : C<sub>16</sub>H<sub>19</sub>N<sub>5</sub>  
**Molecular Weight** : 281.36  
**Target** : Complement System  
**Solubility** : 10 mM in DMSO



CAS: 1016866-61-7

## Biological Activity

C1s inhibitor A1 is a selective, competitive inhibitor of complement component **C1s** with binding K<sub>d</sub> of 9.8 μM, competitively inhibits its activity with K<sub>i</sub> of 5.8 μM.

C1s inhibitor A1 dose-dependently inhibits CP activation by heparin-induced immune complexes, CP-driven lysis of Ab-sensitized sheep erythrocytes, CP activation in a pathway-specific ELISA, and cleavage of C2 by C1s.

## References

Xu X, et al. *J Immunol.* 2023. Dec 27;ji2300630.

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

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