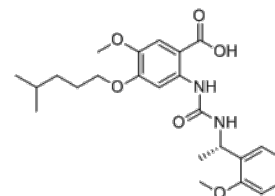


**Product Name** : C5 complement inhibitor 7  
**Cat. No.** : PC-73000  
**CAS No.** : 2365402-67-9  
**Molecular Formula** : C<sub>24</sub>H<sub>32</sub>N<sub>2</sub>O<sub>6</sub>  
**Molecular Weight** : 444.528  
**Target** : Complement System  
**Solubility** : 10 mM in DMSO



### Biological Activity

C5 complement inhibitor 7 (C5-IN-7) is a potent, small-molecule inhibitor of **C5 complement protein** with serum assay IC<sub>50</sub> of <5 nM (2% human serum complement inhibition).

C5-IN-7 demonstrated excellent potency and good aqueous solubility, inhibited MAC deposition with IC<sub>50</sub> of 1 uM in a complement inhibition assay using 50% human whole blood.

The C5 triple mutants (C704R, V705I and N707H) were not inhibited by C5 complement protein inhibitor 7 up to 100 uM.

C5 complement protein inhibitor 7 binds within the predicted pocket between the C5a and MG8 domains in close proximity to the C5 convertase cleavage site (R751-L752).

### References

Jendza K, et al. *Nat Chem Biol.* 2019 Jul;15(7):666-668.

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

E-mail: tech@probechem.com