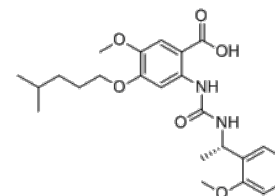


Product Name : C5 complement inhibitor 7
Cat. No. : PC-73000
CAS No. : 2365402-67-9
Molecular Formula : C₂₄H₃₂N₂O₆
Molecular Weight : 444.528
Target : Complement System
Solubility : 10 mM in DMSO



Biological Activity

C5 complement inhibitor 7 (C5-IN-7) is a potent, small-molecule inhibitor of **C5 complement protein** with serum assay IC₅₀ of <5 nM (2% human serum complement inhibition).

C5-IN-7 demonstrated excellent potency and good aqueous solubility, inhibited MAC deposition with IC₅₀ of 1 μM 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 μM.

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