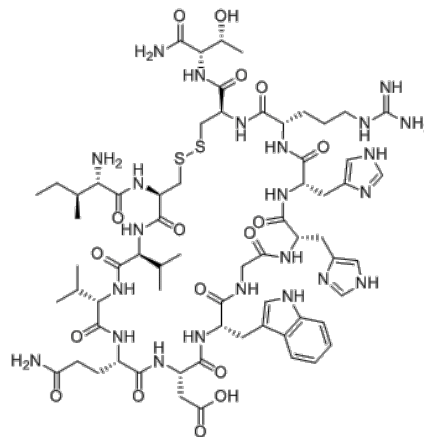


Product Name : Compstatin
Cat. No. : PC-21941
CAS No. : 206645-99-0
Molecular Formula : C₆₆H₉₉N₂₃O₁₇S₂
Molecular Weight : 1550.78
Target : Complement System
Solubility : 10 mM in DMSO



Biological Activity

Compstatin is a 13-residue cyclic peptide inhibitor of complement C3, specifically binds to C3 and inhibits complement activation by blocking C3 convertase-mediated cleavage of C3.

Compstatin effectively inhibits the generation of C3a and sC5b-9 and the binding of C3/ C3 fragments to the polymer surface.

Compstatin prolongs survival of ex vivo perfused pig xenografts.

References

Morikis D, et al. Protein Sci. 1998 Mar;7(3):619-27.

Nilsson B, et al. Blood. 1998 Sep 1;92(5):1661-7.

Fiane AE, et al. Xenotransplantation. 1999 Feb;6(1):52-65.

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

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