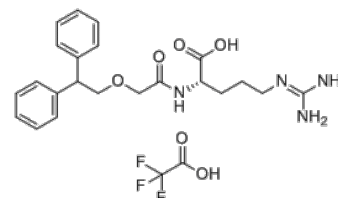


Product Name : SB290157 trifluoroacetate
Cat. No. : PC-21966
CAS No. : 1140525-25-2
Molecular Formula : C₂₄H₂₉F₃N₄O₆
Molecular Weight : 526.51
Target : Complement System
Solubility : 10 mM in DMSO



Biological Activity

SB290157 (SB 290157) trifluoroacetate is a potent, selective nonpeptide antagonist of anaphylatoxin C3a receptor (C3aR) with IC₅₀ of 200 nM.

SB 290157 does not antagonize the C5aR or 5 other chemotactic GPCRs on human neutrophils.

SB 290157 blocks C3a-induced C3aR internalization and C3a-induced Ca²⁺ mobilization in RBL-C3aR cells and human neutrophils with IC₅₀ of 27.7 and 28 nM, respectively.

SB 290157 also inhibits C3a-induced Ca²⁺ mobilization of mouse and guinea pig C3aRS with IC₅₀ of 7 and 12.5 nM, respectively.

SB 290157 potently inhibits C3a-mediated ATP release from guinea pig platelets and inhibits C3a-induced potentiation of the contractile response to field stimulation of perfused rat caudal artery, demonstrates antiinflammatory activity in animal models.

References

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

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