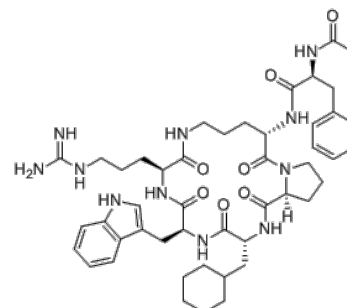


Product Name : PMX53
Cat. No. : PC-35224
CAS No. : 219639-75-5
Molecular Formula : C₄₇H₆₅N₁₁O₇
Molecular Weight : 896.1
Target : Complement System
Solubility : 10 mM in DMSO



Biological Activity

PMX53 (Ac-Phe-cyclo(Orn-Pro-D-Cha-Trp-Arg)) is a potent **C5a receptor (CD88)** antagonist with IC₅₀ of 20 nM, also is an agonist for Mas-related gene 2 (**MrgX2**) in human mast cells.

PMX-53 (10 nM) inhibited C5a-induced Ca(2+) mobilization in HMC-1 cells, but at higher concentrations (>30 nM) it caused degranulation in LAD2 mast cells, CD34(+) cell-derived mast cells, and RBL-2H3 cells stably expressing MrgX2.

PMX53 inhibits zymosan-, carrageenan-, LPS- and antigen-induced hypernociception in rats.

References

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

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