

## PMX-205 (trifluoroacetate salt)

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	PMX-205 is a cyclic hexapeptide that acts as a potent antagonist of C5a receptor (C5aR; IC50= 31 nM).1It is orally active and blocks inflammatory signaling and symptoms in animal models of colitis and allergic asthma.2,3PMX-205 is also brain penetrant and reduces neuroinflammation and neurodegeneration in an animal model of Alzheimer's disease.4
Targets(IC50)	Others

## Solubility Information

Solubility	DMF: 30 mg/mL,Sonication is recommended. Ethanol:PBS (pH 7.2) (1:6): 0.14 mg/mL,Sonication is recommended. Ethanol: 30 mg/mL,Sonication is recommended. DMSO: 30 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Reference

- March, D.R., Proctor, L.M., Stoermer, M.J., et al.Potent cyclic antagonists of the complement C5a receptor on human polymorphonuclear leukocytes. Relationships between structures and activityMol. Pharmacol.65(4)868-879(2004)
- Jain, U., Woodruff, T.M., and Stadnyk, A.W.The C5a receptor antagonist PMX205 ameliorates experimentally induced colitis associated with increased IL-4 and IL-10Br. J. Pharmacol.168(2)488-501(2013)
- Staab, E.B., Sanderson, S.D., Wells, S.M., et al.Treatment with the C5a receptor/CD88 antagonist PMX205 reduces inflammation in a murine model of allergic asthmaInt. Immunopharmacol.21(2)293-300(2014)
- Fonseca, M.I., Ager, R.R., Chu, S.-H., et al.Treatment with a C5aR antagonist decreases pathology and enhances behavioral performance in murine models of Alzheimer's diseaseJ. Immunol.183(2)1375-1383(2009)

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