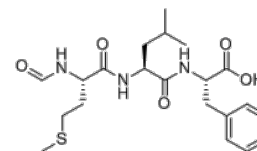


Product Name : FPR1 agonist fMLF
Cat. No. : PC-72083
CAS No. : 59880-97-6
Molecular Formula : C₂₁H₃₁N₃O₅S
Molecular Weight : 437.6
Target : Other Targets
Solubility :



Biological Activity

FPR1 agonist fMLF is a potent, selective formylpeptide receptor-1 (FPR1) agonist with EC₅₀ of 80 nM in calcium flux, K_i of 38 nM.

fMLF activates mononuclear phagocytes to cellular activation, which is characterized by cellular polarization, chemotaxis, and release of proteolytic enzymes.

fMLF induces contractions in isolated guinea pig jejunum (EC₅₀ = 11 nM), proximal colon (EC₅₀ = 3.5 nM), and distal colon (EC₅₀ = 2.2 nM).

fMLF induces neurotransmitter release from enteric motor neurons in vitro.

References

Lind S, et al. J Leukoc Biol. 2021 Jun;109(6):1105-1120.

Hu Y, et al. Chembiochem. 2014 Nov 3;15(16):2420-6.

Partida-Sánchez S, et al. J Immunol. 2004 Feb 1;172(3):1896-906.

Salamah MF, et al. J Thromb Haemost. 2019 Jul;17(7):1120-1133.

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

E-mail: tech@probechem.com