

Product Data Sheet

Product Name: WKYMVM-NH₂ TFA

Cat. No.: GC63384

Chemical Properties

Cas. No. 1435781-74-0

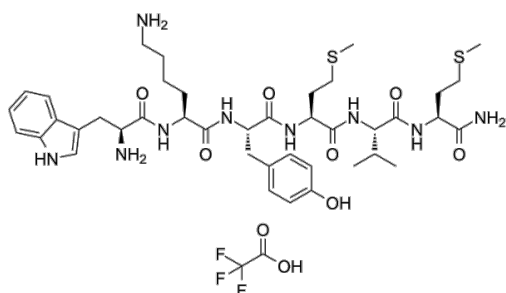
Formula C₄₃H₆₂F₃N₉O₉S₂ M.Wt 970.13

Solubility Water : 12.5 mg/mL (12.88 mM; Need ultrasonic) Storage -20°C, away from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

WKYMVM-NH₂ TFA is a potent N-formyl peptide receptor (FPR1) and FPRL1/2 agonist, also activates several leukocyte effector functions such as chemotaxis, mobilization of complement receptor-3, and activation of the NADPH oxidase[1][2][3].

WKYMVM-NH₂ TFA (10-1000 nM; 24 hours) induces Caco-2 cells proliferation[3].

WKYMVM-NH₂ TFA (8 mg/kg; six times; for 5 days) ameliorates DSS-induced ulcerative

Caution: Product has not been fully validated for medical applications. For research use only.

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colitis[3].WKYMVM-NH₂ TFA affects cytokine (IL-17, IFN- γ , IL-6, IL-1 β and TNF- α) profiles in the DSS colitis model[3].

[1]. Christophe T, et al. The synthetic peptide Trp-Lys-Tyr-Met-Val-Met-NH₂ specifically activates neutrophils through FPRL1/lipoxin A₄ receptors and is an agonist for the orphan monocyte-expressed chemoattractant receptor FPRL2. J Biol Chem. 2001 Jun 15;276(24):21585-93.

[2]. Christophe T, et al. Phagocyte activation by Trp-Lys-Tyr-Met-Val-Met, acting through FPRL1/LXA₄R, is not affected by lipoxin A₄. Scand J Immunol. 2002 Nov;56(5):470-6.

[3]. Sang Doo Kim, et al. The immune-stimulating peptide WKYMVM has therapeutic effects against ulcerative colitis. Exp Mol Med. 2013 Sep; 45(9): e40.

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