
Product Data Sheet

Product Name: WKYMVM TFA

Cat. No.: GC37936

Chemical Properties

Cas. No. 1313730-09-4

Formula C₄₃H₆₂F₃N₉O₉S₂

M.Wt 970.13

Solubility Soluble in DMSO

Storage Store at -20°C

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 (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]. FPR1, FPRL1[1], FPRL2[2]

[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.

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

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