

## WKYMVM TFA

Cat. No.:	HY-P1120A
CAS No.:	1313730-09-4
Molecular Formula:	C <sub>43</sub> H <sub>62</sub> F <sub>3</sub> N <sub>9</sub> O <sub>9</sub> S <sub>2</sub>
Molecular Weight:	970.13
Sequence:	Trp-Lys-Tyr-Met-Val-Met-NH <sub>2</sub>
Sequence Shortening:	WKYMV-{d-Met}-NH <sub>2</sub>
Target:	Formyl Peptide Receptor (FPR)
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

## BIOLOGICAL ACTIVITY

Description	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 <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	FPR1, FPRL1 <sup>[1]</sup> , FPRL2 <sup>[2]</sup>

## REFERENCES

[1]. Christophe T, et al. The synthetic peptide Trp-Lys-Tyr-Met-Val-Met-NH<sub>2</sub> 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA