

WKYMVM TFA

Cat. No.:	HY-P1120A
CAS No.:	1313730-09-4
Molecular Formula:	C ₄₃ H ₆₂ F ₃ N ₉ O ₉ S ₂
Molecular Weight:	970.13
Sequence:	Trp-Lys-Tyr-Met-Val-Met-NH ₂
Sequence Shortening:	WKYMV-{d-Met}-NH ₂
Target:	Others
Pathway:	Others
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 ^{[1][2]} .
IC ₅₀ & Target	FPR1, FPRL1 ^[1] , FPRL2 ^[2]

REFERENCES

[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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