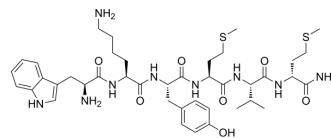


WKYMVM

Cat. No.:	HY-P1120
CAS No.:	187986-17-0
Molecular Formula:	C ₄₁ H ₆₁ N ₉ O ₇ S ₂
Molecular Weight:	856.11
Sequence:	Trp-Lys-Tyr-Met-Val-{d-Met}-NH ₂
Sequence Shortening:	WKYMV-{d-Met}-NH ₂
Target:	Formyl Peptide Receptor (FPR)
Pathway:	GPCR/G Protein
Storage:	Sealed storage, away from moisture and light
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 12.5 mg/mL (14.60 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.1681 mL	5.8404 mL	11.6807 mL
5 mM	0.2336 mL	1.1681 mL	2.3361 mL
10 mM	0.1168 mL	0.5840 mL	1.1681 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

WKYMVM 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]}.

IC₅₀ & 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.

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