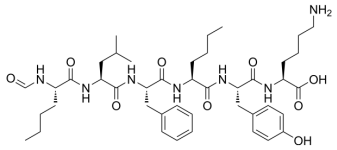
N-Formyl-Nle-Leu-Phe-Nle-Tyr-Lys



Cat. No.: HY-P1591

CAS No.: 71901-21-8

Molecular Formula: $C_{43}H_{65}N_7O_9$

Molecular Weight: 824.02

Sequence: N-Formyl-{NLE}-Leu-Phe-{NLE}-Tyr-Lys

Sequence Shortening: N-Formyl-{NLE}-LF-{NLE}-YK

Target: Formyl Peptide Receptor (FPR)

Pathway: GPCR/G Protein

Storage: Sealed storage, away from moisture

Powder -80°C 2 years

-20°C 1 year

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

SOLVENT & SOLUBILITY

In Vitro

H_2O : 16.67 mg/mL (20.23 mM; ultrasonic and adjust pH to 12 with NaOH)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.2136 mL	6.0678 mL	12.1356 mL
5 mM	0.2427 mL	1.2136 mL	2.4271 mL
10 mM	0.1214 mL	0.6068 mL	1.2136 mL

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

BIOLOGICAL ACTIVITY

Description N-Formyl-Nle-Leu-Phe-Nle-Tyr-Lys TFA (For-Nle-Leu-Phe-Nle-Tyr-Lys-OH TFA) is a formyl peptide receptor (FPR) agonist[1].

REFERENCES

[1]. Stenfeldt AL, et al. The non-steroidal anti-inflammatory drug piroxicam blocks ligand binding to the formyl peptidereceptor but not the formyl peptide receptor like 1. Biochem Pharmacol. 2007 Oct 1;74(7):1050-6.

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

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