



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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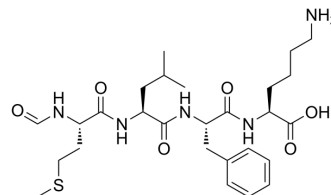
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## N-Formyl-Met-Leu-Phe-Lys

Cat. No.:	HY-P1744
CAS No.:	67247-11-4
Molecular Formula:	C <sub>27</sub> H <sub>43</sub> N <sub>5</sub> O <sub>6</sub> S
Molecular Weight:	565.73
Sequence:	Formyl-Met-Leu-Phe-Lys
Sequence Shortening:	Formyl-MLFK
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

DMSO : 22.22 mg/mL (39.28 mM; ultrasonic and adjust pH to 3 with 1M HCl)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		1.7676 mL	8.8381 mL	17.6763 mL
	5 mM		0.3535 mL	1.7676 mL	3.5353 mL
	10 mM		0.1768 mL	0.8838 mL	1.7676 mL

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

### BIOLOGICAL ACTIVITY

#### Description

N-Formyl-Met-Leu-Phe-Lys (fMLFK) is a peptide, acts as a potent and selective agonist of FPR1, with EC<sub>50</sub>s of 3.5 nM, 6.7 μM and 0.88 μM for FPR1, FPR2 and FPR2-D281<sup>7.32G</sup>, respectively<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

EC<sub>50</sub>: 3.5 nM (FPR1), 6.7 μM (FPR2), 0.88 μM (FPR2-D281<sup>7.32G</sup>)<sup>[1]</sup>

### REFERENCES

[1]. He HQ, et al. Structural determinants for the interaction of formyl peptide receptor 2 with peptide ligands. J Biol Chem. 2014 Jan 24;289(4):2295-306.

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

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