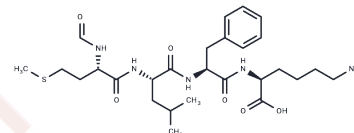


N-Formyl-Met-Leu-Phe-Lys

Chemical Properties

CAS No. :	67247-11-4
Formula:	C ₂₇ H ₄₃ N ₅ O ₆ S
Molecular Weight:	565.73
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	N-Formyl-Met-Leu-Phe-Lys (fMLFK) is a peptide that acts as a potent and selective agonist of FPR1, with EC ₅₀ s of 3.5 nM for FPR1, 6.7 μM for FPR2, and 0.88 μM for FPR2-D2817.32G. This chemotactic peptide binds specifically to receptors on leukocyte membranes and its uptake can contribute to the quantitative assessment of neutrophils in localized inflammatory processes, independent of associated edema formation or microcirculatory compromise.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0354 mL	0.1768 mL	0.3535 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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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