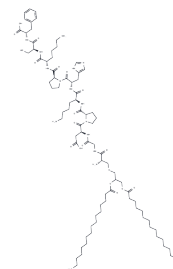


FSL-1

Chemical Properties

CAS No. : 322455-70-9
 Formula: C₈₄H₁₄₀N₁₄O₁₈S
 Molecular Weight: 1666.16
 Storage: Keep away from moisture
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	TLR2/6 agonist (also a putative TLR10 ligand). Activates NF- κ B. Induces pro-inflammatory cytokines including IL-8, IL-1 β , CCL20 and TNF- α in vitro. Synergizes with IFN γ to induce CXCL10 release from melanoma cells.
Targets(IC50)	Antibiotic,TLR

Solubility Information

Solubility	H ₂ O: 2 mg/mL (1.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6002 mL	3.0009 mL	6.0018 mL
5 mM	0.120 mL	0.6002 mL	1.2004 mL
10 mM	0.060 mL	0.3001 mL	0.6002 mL
50 mM	0.012 mL	0.060 mL	0.120 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

- Okusawa et al (2004) Relationship between structures and biological activities of mycoplasmal diacylated lipopeptides and their recognition by toll-like receptors 2 and 6. Infect.Immun. 72 1657 PMID:
- Mauldin et al (2015) TLR2/6 agonists and IF- γ induce human melanoma cells to produce CXCL10. Int.J. Cancer 137 1386 PMID:
- Le et al (2016) Stable toll-like receptor 10 knockdown in THP-1 cells reduces TLR-ligand-induced proinflammatory cytokine expression. Int.J.Mol.Sci. 17 E859 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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