**FSL-1**

**Product ID**: F7444  
**CAS No.**: 322455-70-9  
**Chemical Name**: (R,S)-Pam2Cys-Gly-Asp-Pro-Lys-His-Pro-Lys-Ser-Phe-OH  
**Synonym**: Fibroblast-stimulating Lipopeptide, Pam2CGDPKHPKS, (R,S)-Pam2Cys-Gly-Asp-Pro-Lys-His-Pro-Lys-Ser-Phe-OH  
**Formula**: C₈₄H₁₄₀N₁₄O₁₈S  
**Formula Wt.:** 1666.2  
**Melting Point**: -20°C  
**Purity**: ≥98%  
**Solubility**: Soluble in water (10mg/ml). Use a homogeniser or sonicator to prepare a homogenous solution.  
**Store Temp.**: -20°C  
**Ship Temp.**: Ambient  

**Description**: FSL-1 is an agonist at toll-like receptors (TLR 2/6) that exhibits immunostimulatory, pro-inflammatory, and anticancer activities. FSL-1 increases IgE and IgA responses to foods during systemic antigenic challenge. In vitro, this compound increases expression and activity of MMP-9, IL-6, IL-9, and COX-2. FSL-1 is also used as an adjuvant, in which it induces a Th2-specific response by increasing IgA and IgG levels. FSL-1 also increases tumor size when given alone, but if combined with tumor-specific antigens, decreases tumor size by stimulating production of antigen-specific cytotoxic T lymphocytes, antibodies, and NK cells.

**References**


**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.