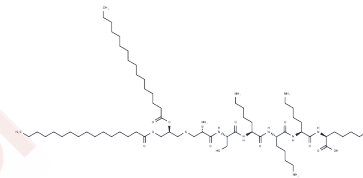


Pam2CSK4

Chemical Properties

CAS No. : 868247-72-7
Formula: C₆₅H₁₂₆N₁₀O₁₂S
Molecular Weight: 1271.83
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	Toll-like receptor 2/6 (TLR2/6) agonist. Induces TNF- α production in human mononuclear cells. Also induces proliferation and activation of mouse splenic B cells.
Targets(IC50)	TLR

Solubility Information

Solubility 0.25% acetic acid: 1 mg/mL (0.79 mM),Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7863 mL	3.9313 mL	7.8627 mL
5 mM	0.1573 mL	0.7863 mL	1.5725 mL
10 mM	0.0786 mL	0.3931 mL	0.7863 mL
50 mM	0.0157 mL	0.0786 mL	0.1573 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

Boeglin et al (2011) Toll-like receptor agonists synergize with CD40L to induce either proliferation or plasma cell differentiation of mouse B cells. PLoS One 6 e25542 PMID:

Omueti et al (2005) Domain exchange between human Toll-like receptors 1 and 6 reveals a region required for lipopeptide discrimination. J.Biol.Chem. 280 36616 PMID:

Schromm et al (2007) Physicochemical and biological analysis of synthetic bacterial lipopeptides: validity of the concept of endotoxic conformation. J.Biol.Chem. 282 11030 PMID:

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