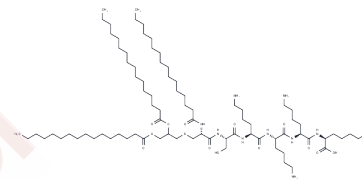


## Pam3CSK4

## Chemical Properties

CAS No. :	112208-00-1
Formula:	C <sub>81</sub> H <sub>156</sub> N <sub>10</sub> O <sub>13</sub> S
Molecular Weight:	1510.23
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	Pam3CSK4 is a synthetic triacylated lipopeptide (LP) that mimics the acylated amino terminus of bacterial LPs.
Targets(IC50)	TLR

## Solubility Information

Solubility	H <sub>2</sub> 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	0.6622 mL	3.3108 mL	6.6215 mL
5 mM	0.1324 mL	0.6622 mL	1.3243 mL
10 mM	0.0662 mL	0.3311 mL	0.6622 mL
50 mM	0.0132 mL	0.0662 mL	0.1324 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

Irvine KL, et al. The molecular basis for recognition of bacterial ligands at equine TLR2, TLR1 and TLR6. Vet Res. 2013 Jul 4;44:50.

Li N, Jiang X, Zhang R, et al. Discovery of Triazinone Derivatives as Novel, Specific, and Direct NLRP3 Inflammasome Inhibitors for the Treatment of DSS-Induced Ulcerative Colitis. Journal of Medicinal Chemistry. 2023

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