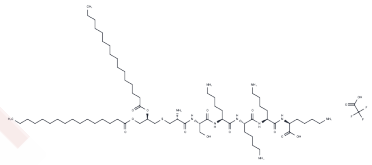
Data Sheet (Cat.No.TP2282L)

TargetMol

Pam2CSK4 TFA

Chemical Properties



CAS No. :

Formula: C67H127F3N10O14S

Molecular Weight: 1385.84

Storage: Store at low temperature,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	Pam2CSK4 TFA (PUL-042 TFA) is a potent dual agonist of TLR2 and TLR6, a peptide that mimics bacterial lipoproteins.Pam2CSK4 TFA promotes platelet aggregation, and can be used to study the effects of lipoproteins on the periodontium.
Targets(IC50)	Antifungal,TLR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7216 mL	3.6079 mL	7.2158 mL
5 mM	0.1443 mL	0.7216 mL	1.4432 mL
10 mM	0.0722 mL	0.3608 mL	0.7216 mL
50 mM	0.0144 mL	0.0722 mL	0.1443 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

Kaur A, et al. An efficient and scalable synthesis of potent TLR2 agonistic PAM2CSK4. RSC Adv. 2018 Mar 5;8(18): 9587-9596.

Kulsantiwong P, et al. Pam2CSK4 and Pam3CSK4 induce iNOS expression via TBK1 and MyD88 molecules in mouse macrophage cell line RAW264.7. Inflamm Res. 2017 Oct;66(10):843-853.

Parra-Izquierdo I, et al. The Toll-Like Receptor 2 Ligand Pam2CSK4 Activates Platelet Nuclear Factor-κB and Bruton's Tyrosine Kinase Signaling to Promote Platelet-Endothelial Cell Interactions. Front Immunol. 2021 Aug 30; 12:729951.

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