$Pam_3Cys\text{-}Ser\text{-}(Lys)_4$ · trihydrochloride

Selective agonist of TLR1/TLR2 complex

Selective agonist of Toll-like receptor 1 (TLR1) complexed with TLR2. Cell permeable, water soluble synthetic cationic lipohexapeptide analog of the immunologically active N-terminal portion of bacterial lipoprotein that potently activates monocytes and macrophages. Activates/represses an array of at least 140 genes partly involved in signal transduction and regulation of the immune response.

Citations: 31 View Online »

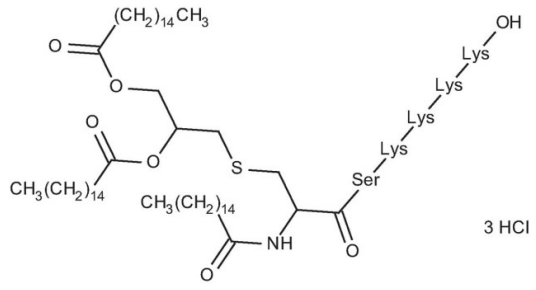
Ordering Information

Order Online »

ALX-165-066-M002	2mg

Manuals, SDS & CofA

View Online »


(CH2)14CH3
O
O
O
O
CH3(CH2)14
S
CH3(CH2)14
NH
O
Ser
O
Lys
Lys
Lys
Lys
OH
3 HCl

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Pam3CSK4 . 3HCl, (S)-[2,3-Bis(palmitoyloxy)-(2-RS)-propyl]-N-palmitoyl-(R)-Cys-(S)-Ser-(S)-Lys4-OH . 3HCl, Pam3Cys-SKKKK
CAS	112208-00-1
Concentration	1mg/ml after reconstitution.
Formula	$C_{81}H_{156}N_{10}O_{13}S$. 3HCl
Formulation	Lyophilized.
MW	1510.3 . 109.4
Quality Control	Confirmed by ESI-MS.
Reconstitution	Reconstitute with 2 ml pyrogen-free deionized water in a pyrogen-free tube. Reconstitution can also be performed in DMSO (1mg/ml stock solution). Homogenize by vortexing or use a homogenizer or sonicator to prepare a homogenous solution. Further dilutions can be made with cell culture medium or pyrogen-free deionized water. PBS is not recommended for reconstitution or dilution.
Solubility	Soluble in pyrogen-free deionized water, DMSO or aqueous buffers at pH <7.5.
Technical Info / Product Notes	For negative control see Prod. No. ALX-165-071

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