Product	Cat#	Package size
R-Pam2Cys-SKKKK	**P2208.0001**	**1mg**

Synonyme/Synonyms: S-[2,3-bis(palmitoyloxy)-(2R)-propyl]-[*R*]-cysteinyl-[*S*]-seryl-[*S*]-lysyl-[*S*]-lysyl-[*S*]-lysyl-[*S*]-lysine x 3 CF3COOH)

Prodcut Description

Bacterial and mycoplasmal lipoproteins (bLP) are characterized by the unusual amino acid S-glycerylcysteine acylated by two or three fatty acids. Lipoproteins are part of the outer membrane of Gram negative bacteria, Gram positive bacteria, *Rhodopseudomonas viridis*, and Mycoplasma (Hantke and Braun, 1973, Gomes-Miguel et al., 1988; Herrmann et al., 1996; Weyer et al., 1987, Mühlradt et al., 1997, Mühlradt et al., 1998, Shibata et al., 2000).

Synthetic analogues (sLP) and the N-terminal part of the lipoprotein of *E.coli* were synthesized for the first time in 1983 (Wiesmüller et al., 1983). They act as potent immunoadjuvants *in vivo* and *in vitro*. Immunisation of guinea pigs and swine with a totally synthetic vaccine consisting of the built-in lipotripeptide adjuvant Pam_3Cys-Ser-Ser and of a B- and T-cell epitope of the foot-and-mouth disease virus lead to a long-lasting protection against virus challenge.

R-Pam2Cys-SKKKK x 3 TFA is a lyophilised, colourless powder without any additives with a molecular weight of 1271.85 x 342.1 g/mol.

Synonyms

Pam2Cys-Ser-(Lys)4 x 3 TFA, P2CSK4 x 3 TFA

Content

Each vial contains 1mg of the synthetic lipopeptide R-Pam2Cys-SKKKK x 3 TFA.
R-Pam2Cys-SKKKK is manufactured in reproducible high quality.

Quality: R-Pam2Cys-SKKKK is manufactured in reproducible high quality, checked by HPLC and ESI-MS.

Packaging / Reconstitution / Storage / Application

This product is provided as a lyophilized, colorless powder without any additives.

Reconstitute in water (1mg/mL stock solution). Homogenize by vortexer or sonicator to get a homogenous solution.

Store at +4°C prior to and following reconstitution. The solution can also be aliquoted and stored at -20°C. Avoid repeated thawing and freezing cycles. Further dilutions can be made in water or cell culture medium. PBS is not recommended for reconstitution or dilution.

Handling

Good laboratory practice should be employed in the safe handling of any lipopeptide product. If you are not fully trained or are unaware of the hazards involved, do not use this compound!
Caution: do not take internally! Avoid contact by all modes of exposure. Wear appropriate laboratory attire including a lab coat, gloves, mask and safety glasses. Do not mouth pipette, inhale, ingest or allow coming into contact with open wounds. Wash thoroughly any area of the body which comes into contact with the product. Avoid accidental auto inoculation by exercising extreme care when handling in conjunction with any injection device.

This product is intended for research usage by qualified personnel only. It is not intended for use in humans or animals or as a diagnostic agent. Genaxxon is not liable for any damages resulting from misuse or handling of this product.