# PHC-SKKKK . 3 TFA

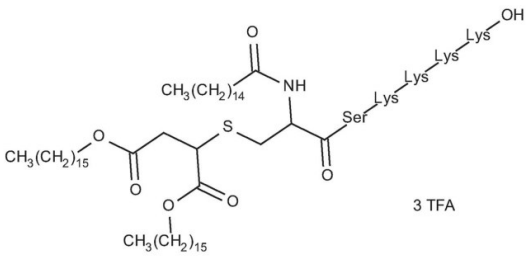
## Negative control for $Pam_3Cys$-Ser-$(Lys)_4$ . trihydrochloride

Does not activate TLR2. Can be used as negative control for Pam3Cys-Ser-(Lys)4 . trihydrochloride (Prod. No. ALX-165-066).

Lipopeptides are valuable tools for basic research in innate and acquired immunity. PHC-SKKKK (PHC-SK4) and $Pam_3Cys$-SKKKK (P3SK4) (Prod. No. ALX-165-066) have similar physicochemical properties, both have three fatty acid residues and the same peptide moiety. In contrast to P3SK4, PHCSK4 is not an activator of TLR2.

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O
NH
CH3(CH2)14
Lys
Lys
Lys
Lys
OH
Ser
S
O
O
CH3(CH2)15
O
O
O
CH3(CH2)15
3 TFA

## 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. |
| **Short Term Storage** | +4°C |
| **Long Term Storage** | -20°C |
| **Shipping** | Ambient Temperature |

## Regulatory Status

RUO - Research Use Only

## Product Details

| | |
|---|---|
| **Alternative Name** | PHCSK4 . 3 TFA, N-palmitoyl-S-(1,2-bishexadecyloxy-carbonyl)-ethyl-(R)-cysteinyl-seryl-(lysyl)3-lysine . 3 CF3COOH |
| **Appearance** | Colorless powder |
| **Concentration** | 1mg/ml after reconstitution. |
| **Formula** | $C_{82}H_{158}N_{10}O_{13}S$ . 3 $CF_3COOH$ |
| **Formulation** | Lyophilized. |
| **MW** | 1524.3 . 342.1 |
| **Quality Control** | Confirmed by ESI-MS. |
| **Reconstitution** | Reconstitute with 1 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 |
| **Source** | Synthetic |

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