

Product Data Sheet

Product Name: SIIVFEKL TFA

Cat. No.: GC74333

Chemical Properties

Cas. No.

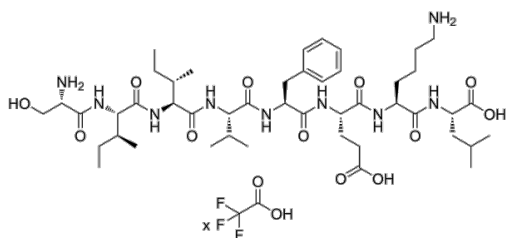
Formula $C_{46}H_{77}N_9O_{12} \cdot xC_2HF_3O_2$ M.Wt 948.16 (free acid)

Solubility $H_2O : \geq 2 \text{ mg/mL}$ Storage Sealed storage, away from moisture

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Caution: Product has not been fully validated for medical applications. For research use only.

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SIIVFEKL TFA is a variant of the major MHC class I-restricted epitope SIINFEKL. SIIVFEKL TFA is an antigenic peptide, that can stimulate specific T cells in experimental settings to study the competitive interaction between T cells. SIIVFEKL TFA exhibits low affinity for the OT-I T cell receptor (TCR), and can be used for detection of CD8+ T cells.

References:

[1]. Petkau G, et al., Zfp361l1 establishes the high-affinity CD8 T-cell response by directly linking TCR affinity to cytokine sensing. Eur J Immunol. 2024 Feb;54(2):e2350700.

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