

Product Data Sheet

Product Name: vMIP-II (1-21) TFA

Cat. No.: GC74375

Chemical Properties

Cas. No.

Formula $C_{108}H_{169}N_{33}O_{27}S \cdot xC_2HF_3O_2$ M.Wt 2425.84 (free base)

Solubility H_2O : ≥ 100 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

Leu-Gly-Ala-Ser-Trp-His-Arg-Pro-Asp-
Lys-Cys-Cys-Leu-Gly-Tyr-Gln-Lys-Arg-
Pro-Leu-Pro (TFA salt)

Background

vMIP-II (1-21) (NT21MP) TFA is an inhibitor of CXCR4. vMIP-II (1-21) TFA interacts broadly with CC and CXC chemokine receptors. vMIP-II (1-21) TFA inhibits CXCR4 by competing with 125I-SDF-1R for binding sites (IC₅₀=190 nM).

References:

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

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[1]. Zhou N, et al. A novel peptide antagonist of CXCR4 derived from the N-terminus of viral chemokine vMIP-II. Biochemistry. 2000 Apr 4;39(13):3782-7.

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