

Product Data Sheet

Product Name: FC131 TFA

Cat. No.: GC36033

Chemical Properties

Cas. No. 842166-42-1

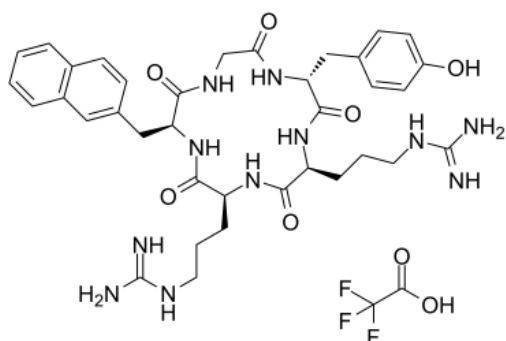
Formula $C_{38}H_{48}F_3N_{11}O_8$ M.Wt 843.85

Solubility DMSO: 250 mg/mL (296.26 mM) Storage Store at -20°C

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

FC131 TFA is a CXCR4 antagonist, inhibits [125I]-SDF-1 binding to CXCR4, with an IC₅₀ of 4.5 nM. Anti-HIV activity[1]. IC₅₀: 4.5 nM ([125I]-SDF-1-CXCR4)[1]HIV-1[1]

[1]. Tamamura H, et al. Stereoselective synthesis of [L-Arg-L/D-3-(2-naphthyl)alanine]-type (E)-alkene dipeptide isosteres and its application to the synthesis and biological evaluation of pseudopeptide analogues of the CXCR4 antagonist FC131. J Med Chem. 2005 Jan 27;48(2):380-91.

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

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