

Product Data Sheet

Product Name: Apelin-13 TFA

Cat. No.: GC35366

Chemical Properties

Cas. No.

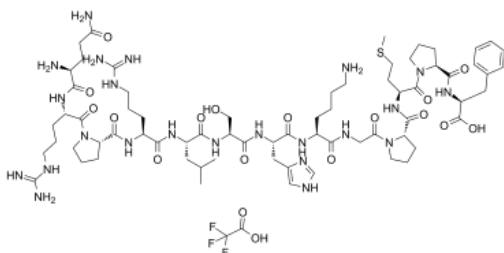
Formula $C_{71}H_{112}F_3N_{23}O_{18}S$ M.Wt 1664.85

Solubility Water: 100 mg/mL (60.07 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

Apelin-13 is the endogenous ligand of the APJ receptor, activating this G protein-coupled receptor with an EC₅₀ value of 0.37 nM.

[1]. Tatemoto, K., Hosoya, M., Habata, Y., et al. Isolation and characterization of a novel endogenous peptide ligand for the human APJ receptor. *Biochemical and Biophysical Research Communications* 251, 471-476 (1998). [2]. Li M, et al. Apelin 13 ameliorates metabolic and cardiovascular disorders in a rat model of type 2 diabetes with a high fat diet. *Mol Med Rep.* 2018 Dec;18(6):5784-5790.

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

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