

Product Data Sheet

Product Name: Endomorphin 2 TFA

Cat. No.: GC35986

Chemical Properties

Cas. No. 1276124-00-5

SMILES O=C(N)[C@H](CC1=CC=CC=C1)NC([C@H](CC2=CC=CC=C2)NC([C@H]3N(C([C@H](CC4=CC=C(C=C4)O)N)=O)CCC3)=O)=O.OCC(F)(F)F=O

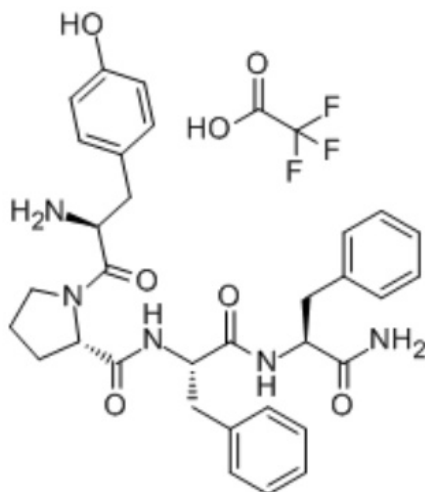
Formula $C_{34}H_{38}F_3N_5O_7$ M.Wt 685.69

Solubility Water: 62.5 mg/mL (91.15 mM); Storage Store at -20°C
DMSO: < 1 mg/mL (insoluble or slightly soluble)

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

Endomorphin 2 TFA, a high affinity, highly selective agonist of the μ -opioid receptor, displays reasonable affinities for kappa3 binding sites, with K_i value between 20 and 30 nM[1]. K_i : 20-30 nM (kappa3 opioid receptor)[1]

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

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[1]. Goldberg IE, et al. Pharmacological characterization of endomorphin-1 and endomorphin-2 in mouse brain. J Pharmacol Exp Ther. 1998 Aug;286(2):1007-13.

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