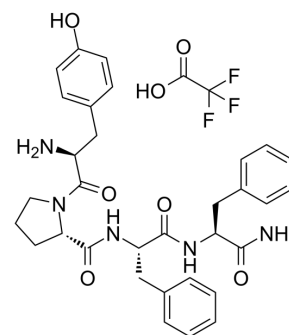


Endomorphin 2 TFA

| | |
|---------------------------|------------------------------------------------------------------------------|
| Cat. No.: | HY-P0186A |
| CAS No.: | 1276124-00-5 |
| Molecular Formula: | C ₃₄ H ₃₈ F ₃ N ₅ O ₇ |
| Molecular Weight: | 685.69 |
| Target: | Opioid Receptor |
| Pathway: | GPCR/G Protein; Neuronal Signaling |
| Storage: | Sealed storage, away from moisture |
| | Powder -80°C 2 years |
| | -20°C 1 year |

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 62.5 mg/mL (91.15 mM; Need ultrasonic)
 DMSO : 6 mg/mL (8.75 mM; Need ultrasonic)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|-----------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 1.4584 mL | 7.2919 mL | 14.5838 mL |
| | 5 mM | 0.2917 mL | 1.4584 mL | 2.9168 mL |
| | 10 mM | 0.1458 mL | 0.7292 mL | 1.4584 mL |

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: PBS
 Solubility: 33.33 mg/mL (48.61 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Endomorphin 2 TFA, a high affinity, highly selective agonist of the μ -opioid receptor, displays reasonable affinities for kappa κ_3 binding sites, with K_i value between 20 and 30 nM^[1].

IC₅₀ & Target

Ki: 20-30 nM (kappa₃ opioid receptor)^[1]

REFERENCES

[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.

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

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