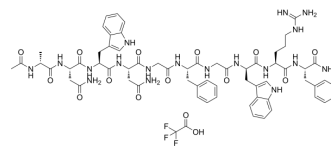


Kisspeptin 234 TFA

Cat. No.:	HY-P1196A
CAS No.:	1848962-29-7
Molecular Formula:	C ₆₅ H ₇₉ F ₃ N ₁₈ O ₁₅
Molecular Weight:	1409.43
Sequence:	Ac-Ala-Asn-Trp-Asn-Gly-Phe-Gly-Trp-Arg-Phe-NH ₂
Sequence Shortening:	Ac-ANWNGFGWRF-NH ₂
Target:	Kisspeptin Receptor
Pathway:	GPCR/G Protein
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year



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

SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (17.74 mM; Need ultrasonic)
 H₂O : 1.67 mg/mL (1.18 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.7095 mL	3.5475 mL	7.0951 mL
	5 mM	0.1419 mL	0.7095 mL	1.4190 mL
	10 mM	0.0710 mL	0.3548 mL	0.7095 mL

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

BIOLOGICAL ACTIVITY

Description

Kisspeptin 234 TFA, is a 10 amino acid peptide as well as a kisspeptin receptor (KISS1, GPR54) antagonist. Kisspeptin 234 TFA is an analog of Kisspeptin 10^[1].

In Vivo

Kisspeptin 234 (1 mg/kg, ip, daily, 28 days) TFA can inhibit the anti-fibrotic effect of Kisspeptin-13 in the bleomycin (BLM)-induced lung fibrosis model of C57BL/6 mice, especially in weight loss, decreased survival rate, increased lung coefficient, and massive infiltration^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA