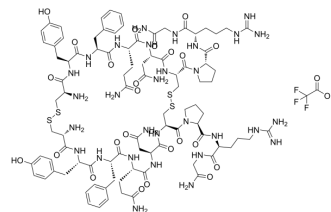


Vasopressin Dimer (parallel) (TFA)

Cat. No.:	HY-P5213
Molecular Formula:	C ₉₄ H ₁₃₁ F ₃ N ₃₀ O ₂₆ S ₄
Molecular Weight:	2282.49
Sequence Shortening:	Chain1: CYFQNCPRG-NH ₂ ;Chain2: CYFQNCPRG-NH ₂ ;Disulfide bonds: 1Cys1-2Cys1, 1Cys6-2Cys6
Target:	Vasopressin Receptor; Oxytocin Receptor
Pathway:	GPCR/G Protein
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

DMSO : 100 mg/mL (43.81 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.4381 mL	2.1906 mL	4.3812 mL
5 mM	0.0876 mL	0.4381 mL	0.8762 mL
10 mM	0.0438 mL	0.2191 mL	0.4381 mL

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

BIOLOGICAL ACTIVITY

Description

Vasopressin Dimer (parallel) TFA is a parallel dimer of Vasopressin (HY-B1811). Vasopressin Dimer (parallel) TFA can activate four G protein-coupled receptors, V1aR, V1bR, V2R, and OTR^[1].

IC₅₀ & Target

V2 Receptor

REFERENCES

[1]. Dekan Z, et al. Nature-inspired dimerization as a strategy to modulate neuropeptide pharmacology exemplified with vasopressin and oxytocin. Chem Sci. 2021 Feb 4;12(11):4057-4062.

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

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