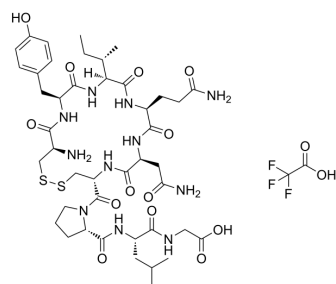


Oxytocin free acid TFA

Cat. No.: HY-P3216B
Molecular Formula: C₄₅H₆₆F₃N₁₁O₁₅S₂
Molecular Weight: 1122.2
Target: Others
Pathway: Others
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 (89.11 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.8911 mL	4.4555 mL	8.9111 mL
	5 mM	0.1782 mL	0.8911 mL	1.7822 mL
	10 mM	0.0891 mL	0.4456 mL	0.8911 mL

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

BIOLOGICAL ACTIVITY

Description

Oxytocin free acid (9-Deamidooxytocin) TFA is an analog of oxytocin in which the glycine residue at position 9 in oxytocin has been replaced by a glycine residue. Oxytocin is a pleiotropic, peptide hormone with broad implications for general health, adaptation, development, reproduction, and social behavior^{[1][2]}.

REFERENCES

- [1]. Ferrier BM, et al. 9-Deamidooxytocin, an analog of the hormone containing a glycine residue in place of the glycine residue. J Med Chem. 1966;9(1):55-57.
- [2]. Carter CS, Kenkel WM, MacLean EL, et al. Is Oxytocin "Nature's Medicine"? Pharmacol Rev. 2020;72(4):829-861.

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

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