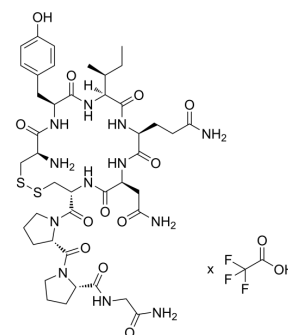


Pro8-Oxytocin TFA

Cat. No.:	HY-P4990A
Molecular Formula:	$C_{42}H_{62}N_{12}O_{12}S_2 \cdot xC_2HF_3O_2$
Sequence:	Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Pro-Gly-NH ₂ (Disulfide bridge: Cys1-Cys6)
Sequence Shortening:	CYIQNCPPG-NH ₂ (Disulfide bridge: Cys1-Cys6)
Target:	Oxytocin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pro8-Oxytocin TFA is a modified oxytocin (OXT) ligand. Pro8-Oxytocin produces more potent and efficacious responses at primate OXTR and stronger behavioral effects than the consensus mammalian OXT ligand (Leu8-Oxytocin). Pro8-Oxytocin TFA produce a less efficacious response than Vasopressin (HY-B1811) (AVP) at human AVPR1a and higher efficacious response than AVP at marmoset AVPR1a^[1].

REFERENCES

[1]. Mustoe A, et al. Leu8 and Pro8 oxytocin agonism differs across human, macaque, and marmoset vasopressin 1a receptors. *Sci Rep.* 2019 Oct 29;9(1):15480.

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

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