

Pro8-Oxytocin TFA

Chemical Properties

CAS No. :

Formula: C42H62N12O12S2.xC2HF3O2

Molecular Weight:

Keep away from moisture

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Pro8-Oxytocin TFA is a structurally modified oxytocin analog. Pro8-Oxytocin TFA is an agonist of the oxytocin receptor (OXTR) and has demonstrated greater potency than the endogenous ligand Leu8-Oxytocin in primate models, inducing stronger intracellular calcium mobilization and behavioral effects. Pro8-Oxytocin TFA is less effective than vasopressin (AVP) in eliciting responses in human AVPR1a, whereas it is more effective than AVP in eliciting responses in marmoset AVPR1a.
Targets(IC50)	Oxytocin Receptor

Reference

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.

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