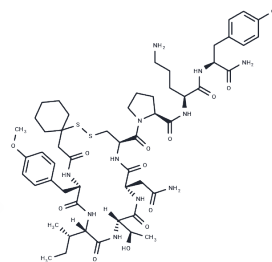


## Ota-vasotocin

## Chemical Properties

CAS No. :	114056-26-7
Formula:	C54H79N11O13S2
Molecular Weight:	1154.41
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Ota-vasotocin is a ligand utilized in quantitative receptor autoradiography for oxytocin receptors.
Targets(IC50)	Oxytocin Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8662 mL	4.3312 mL	8.6624 mL
5 mM	0.1732 mL	0.8662 mL	1.7325 mL
10 mM	0.0866 mL	0.4331 mL	0.8662 mL
50 mM	0.0173 mL	0.0866 mL	0.1732 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Knobloch HS, Charlet A, Hoffmann LC, Eliava M, Khrulev S, Cetin AH, Osten P, Schwarz MK, Seeburg PH, Stoop R, Grinevich V. Evoked axonal oxytocin release in the central amygdala attenuates fear response. *Neuron*. 2012 Feb 9;73(3):553-66. doi: 10.1016/j.neuron.2011.11.030. PubMed PMID: 22325206.

Mogi K, Ooyama R, Nagasawa M, Kikusui T. Effects of neonatal oxytocin manipulation on development of social behaviors in mice. *Physiol Behav*. 2014 Jun 22;133:68-75. doi: 10.1016/j.physbeh.2014.05.010. Epub 2014 May 21. PubMed PMID: 24857720.

Ammar A, Rajerison RM, Roseau S, Bloch-Faure M, Butlen D. Frog glomerular vasotocin receptors resemble mammalian V1b receptors. *Am J Physiol*. 1994 Nov;267(5 Pt 2):R1198-208. PubMed PMID: 7977846.

Fuchs AR, Fields MJ, Chang SM, Thatcher WW, Willard CC, Randel RD. Oxytocin antagonist [1-D(CH<sub>2</sub>)<sub>5</sub>,Tyr(ME)<sub>2</sub>,Thr<sub>4</sub>,Tyr-NH<sub>2</sub>(9)]ornithine vasotocin inhibits oxytocin-induced prostaglandin F<sub>2</sub>alpha release in late-pregnant cows. *Biol Reprod*. 1997 Aug;57(2):436-41. PubMed PMID: 9241061.

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