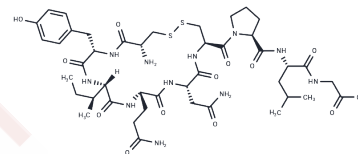


Oxytocin free acid

Chemical Properties

CAS No. :	4248-64-0
Formula:	C43H65N11O13S2
Molecular Weight:	1008.18
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Oxytocin free acid, also known as 9-Deamidooxytocin, is an analog of oxytocin where the glycinamide residue at position 9 has been substituted with a glycine residue. Oxytocin, a pleiotropic peptide hormone, has wide-ranging implications for general health, adaptation, development, reproduction, and social behavior.
Targets(IC50)	Oxytocin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9919 mL	4.9594 mL	9.9189 mL
5 mM	0.1984 mL	0.9919 mL	1.9838 mL
10 mM	0.0992 mL	0.4959 mL	0.9919 mL
50 mM	0.0198 mL	0.0992 mL	0.1984 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

Ferrier BM, et al. 9-Deamidooxytocin, an analog of the hormone containing a glycine residue in place of the glycinamide residue. *J Med Chem.* 1966;9(1):55-57.

Carter CS, Kenkel WM, MacLean EL, et al. Is Oxytocin Nature's Medicine?. *Pharmacol Rev.* 2020;72(4):829-861."

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