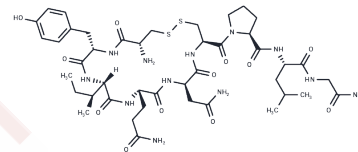


[D-Asn5]-Oxytocin

Chemical Properties

CAS No. :	5754-53-0
Formula:	C43H66N12O12S2
Molecular Weight:	1007.19
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	[D-Asn5]-Oxytocin exhibits minimal specific oxytocic and vasodepressor effects. Comparative cumulative dose-response investigations reveal that [D-Asn5]-Oxytocin demonstrates a similar intrinsic activity to oxytocin in terms of oxytocic activity.
Targets(IC50)	Oxytocin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9929 mL	4.9643 mL	9.9286 mL
5 mM	0.1986 mL	0.9929 mL	1.9857 mL
10 mM	0.0993 mL	0.4964 mL	0.9929 mL
50 mM	0.0199 mL	0.0993 mL	0.1986 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

Dutta AS, et al. Synthesis and pharmacological activity of 4-d-glutamine-oxytocin, 5-d-asparagine-oxytocin, and 4-d-glutamine-5-d-asparagine-oxytocin. J Med Chem. 1966;9(4):497-499.

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