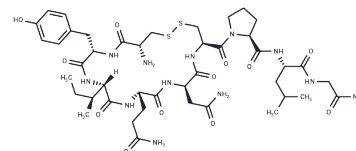


## [D-Asn5]-Oxytocin

### Chemical Properties

CAS No. : 5754-53-0  
Formula: C43H66N12O12S2  
Molecular Weight: 1007.19  
Appearance: no data available  
Storage: keep away from moisture  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### 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. |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 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.

### 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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