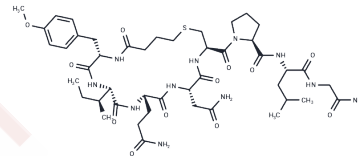


Carbetocin

Chemical Properties

CAS No. :	37025-55-1
Formula:	C45H69N11O12S
Molecular Weight:	988.16
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	Carbetocin is an obstetric drug used to control postpartum hemorrhage and bleeding after giving birth.
Targets(IC50)	Oxytocin Receptor

Solubility Information

Solubility	DMSO: 31 mg/mL (31.37 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (2.02 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.012 mL	5.0599 mL	10.1198 mL
5 mM	0.2024 mL	1.012 mL	2.024 mL
10 mM	0.1012 mL	0.506 mL	1.012 mL
50 mM	0.0202 mL	0.1012 mL	0.2024 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

Theunissen F J , Lester C , Pujar Y V . Current research on carbetocin and implications for prevention of postpartum haemorrhage[J]. Reproductive Health, 2018, 15(S1):94-.

Liu Z, Tan S, Zhou L, et al. SCGN deficiency is a risk factor for autism spectrum disorder. Signal Transduction and Targeted Therapy. 2023, 8(1): 1-15.

Dykens E M , Miller J , Angulo M , et al. Intranasal carbetocin reduces hyperphagia in individuals with Prader-Willi syndrome[J]. Jci Insight, 2018.

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