



Oxytocin 2mg

Cat. No:	PCTF901C5	Batch No:	PCT-F901C5
CAS No:	50-56-6	Issue Date:	30 May 2025
Product Name:	Oxytocin 2mg	Quantity:	2 mg

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C43H66N12O12S2	Form:	Lyophilised Powder
Molecular Weight:	1007.2 g/mol	Storage:	Powder: -20°C (3 yrs) ; 4°C (2 yrs) ; 15°C (3 mo) In solution: -80°C (6 mo) ; -20°C (1 mo) ; 10°C (1 wk)

RESEARCH APPLICATIONS

Social bonding research, neuropeptide studies, stress response, uterine contraction models

ANALYTICAL DATA

Test Item	Specification	Result	Status
Appearance	White to off-white lyophilised powder	Conforms	PASS
Purity (HPLC)	>98%	98.4%	PASS
TFA Content	<0.50%	Conforms	PASS
Solubility	Soluble in sterile water or acetic acid (0.6%)	Conforms	PASS

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only. Not for human consumption.