Oxytocin

Synonyms: Pitocin; alpha-hypophamine

NEUROPEPTIDE / COGNITIVE

Catalog no.: _____ Pack size: _____

CAS NUMBER	MOLECULAR FORMULA	MOLECULAR WEIGHT	PUBCHEM CID
50-56-6	$C_{43}H_{66}N_{12}O_{12}S_2$	1007.2 g/mol	439302

AMINO ACID SEQUENCE / STRUCTURE

n.a. — cyclic nonapeptide; see COA

PHYSICAL FORM AND PACKAGING

Supplied as a lyophilised powder in a sealed glass vial under an inert headspace, fill weight as stated on the vial label and on the lot Certificate of Analysis. Vials are labelled with product name, fill weight, lot number and research-use-only status.

PURITY AND IDENTITY

Lot-specific. Reverse-phase HPLC purity and mass-spectrometric identity results, with the testing laboratory named, are issued on the Certificate of Analysis accompanying each shipment and are available on request before purchase. No purity figure is quoted on this sheet because purity is a property of a lot, not of a catalog item.

STORAGE, STABILITY AND HANDLING

Store the sealed lyophilised vial as stated on the lot Certificate of Analysis. Protect from light and moisture. Allow vials to reach ambient temperature before opening to avoid condensation. Reconstitution solvent, concentration and post-reconstitution storage are determined by the receiving laboratory under its own validated procedures; Aletheix provides no reconstitution or use protocol of any kind.

DOCUMENTATION SUPPLIED

Lot Certificate of Analysis, third-party laboratory report reference, lot and batch traceability record, and a research-use-only declaration. Safety data sheet available on request. Purchase orders, quotations and W-9 available for institutional accounts.

1. Molecular identity data for Oxytocin: PubChem CID 439302, U.S. National Library of Medicine — https://pubchem.ncbi.nlm.nih.gov/compound/439302

FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE. Not a drug, food, cosmetic, or medical device. Not for diagnostic or therapeutic procedures. To be handled only by qualified technical personnel.