# ω-agatoxin IVA

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## Product description

ω-agatoxin IVA is a peptide originally isolated from funnel web spider venom Agelenopsis. This peptide is a specific blocker of P/Q-type calcium channel (Cav2.1).

## Product specifications


**Disulfide bonds:** Cys^4^-Cys^20_, Cys^12^-Cys^25_, Cys^19^-Cys^36_ and Cys^27^-Cys^34_

**Length (aa):** 48

**Formula:** C^217_H^360_N^68_O^60_S^10

**Appearance:** White lyophilized solid

**Molecular Weight:** 5202.48 Da

**CAS number:** 145017-83-0

**Source:** Synthetic

**Counterion:** TFA salts

**Solubility:** Water or saline buffer, 5 mg/mL maximum (recommendation)

## Formulation

**Storage/Stability:** Shipped at ambient temperature under lyophilized powder. Store at -20°C (-4°F). Do not freeze-thaw. Aliquot sample if required and store at -80°C (-112°F).

**Expiry date:** One year

**Use restrictions:** For laboratory use only. Not for drug, household or other uses. Not for use in diagnostic or therapeutic procedures.

## Related products

- **ω-conotoxin MVIIA - #08CON001:** Ca^2.2 inhibitor
- **ω-conotoxin MVIC - #08CON002:** N, P and Q type calcium channels
- **ω-conotoxin GVIA - #08CON003:** Ca^2.2 inhibitor
- **ω-conotoxin SO3 - #08CON013:** selective N-type voltage-sensitive calcium channels blocker
- **SNX482 - #08SNX001:** selective blocker of R-type voltage-sensitive calcium channels (Ca^2.3)

## References


For laboratory research use only