

Product Datasheet

Apamin peptide (orb216470)

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| Description | Apamin peptide |
| Form/Appearance | Lyophilized powder |
| Storage | Shipped at 4°C. Store at -20°C for one year. |
| Note | For research use only |
| Application notes | Apamin, which has been isolated from bee venom, is the smallest neurotoxic polypeptide known. It is the only polypeptide neurotoxin that passes the blood-brain barrier. It has several features in common with the snake and scorpion neurotoxins: like these, apamin is a low-molecular-weight basic peptide, and the molecule is crosslinked by disulfide bridges. |
| Protein Sequence | H-Cys-Asn-Cys-Lys-Ala-Pro-Glu-Thr-Ala-Leu-Cys-Ala-Arg-Arg-Cys-Gln-Gln-His-NH ₂ (Disulfide bridge Cys1-Cys11, Cys3-Cys15) |
| Formula | C ₇₉ H ₁₃₁ N ₃₁ O ₂₄ S ₄ |
| Purity | > 95% |
| Source | Synthetic |
| MW | 2027.37 |
| CAS Number | 24345-16-2 |
| Expiration Date | 12 months from date of receipt. |