

δ-Dendrotoxin

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| Cat. No.: | HY-P5835 |
| CAS No.: | 189201-23-8 |
| Molecular Formula: | C ₂₉₆ H ₄₅₂ N ₈₂ O ₇₆ S ₆ |
| Molecular Weight: | 6567.65 |
| Sequence: | Ala-Ala-Lys-Tyr-Cys-Lys-Leu-Pro-Val-Arg-Tyr-Gly-Pro-Cys-Lys-Lys-Lys-Ile-Pro-Ser-Phe-Tyr-Tyr-Lys-Trp-Lys-Ala-Lys-Gln-Cys-Leu-Pro-Phe-Asp-Tyr-Ser-Gly-Cys-Gly-Gly-Asn-Ala-Asn-Arg-Phe-Lys-Thr-Ile-Glu-Glu-Cys-Arg-Arg-Thr-Cys-Val-Gly (Disulfide bridge:Cys5-Cys55, Cys14-Cys38, Cys30-Cys51) |
| Sequence Shortening: | AAKYCKLPVRYGPKKKIPSFYKWKAKQCLPFDYSGCGGNANRFKTIIECRRTCVG (Disulfide bridge:Cys5-Cys55, Cys14-Cys38, Cys30-Cys51) |
| Target: | Potassium Channel |
| Pathway: | Membrane Transporter/Ion Channel |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |

BIOLOGICAL ACTIVITY

Description

δ-Dendrotoxin is a K⁺ channel blocker that can be obtained from the venom of the black mamba snake. δ-Dendrotoxin can be used in the study of neurological diseases^[1].

REFERENCES

[1]. Jin L, et al. Molecular mechanism of δ-dendrotoxin-potassium channel recognition explored by docking and molecular dynamic simulations. J Mol Recognit. 2011 Jan-Feb;24(1):101-7.

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

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