



## Product Data Sheet

**Product Name:** Iberiotoxin (IbTX)

**Catalog Number:** AS-60763 (1 mg)      **Lot Number:** See label on vial

**Sequence:** Pyr-Phe-Thr-Asp-Val-Asp-Cys-Ser-Val-Ser-Lys-Glu-Cys-Trp-Ser-Val-Cys-Lys-Asp-Leu-Phe-Gly-Val-Asp-Arg-Gly-Lys-Cys-Met-Gly-Lys-Lys-Cys-Arg-Cys-Tyr-Gln-OH (Disulfide bridge: C7-C28,C13-C33,C17-C35) (3-letter code)  
Pyr-FTDVDCSVSKECWSVCKDLFGVDRGKCMGKKRCYQ (Disulfide bridge: C7-C28,C13-C33,C17-C35) (1-letter code)

**Molecular Weight:** 4232.0

**% Peak Area by HPLC:** ≥ 95

**Appearance:** Lyophilized white powder

**Peptide Reconstitution:** Using H<sub>2</sub>O, reconstitute by adding 100 µl to 1 mg Iberiotoxin peptide.

**Storage:** Iberiotoxin peptide is shipped at ambient temperature. Upon receipt, store lyophilized peptide at -20°C or lower. Reconstituted peptide can be aliquoted and stored at -20°C or lower.

**Description:** A 37-amino acid peptide from the scorpion, *Buthus tamulus*, having 68% homology with charybdotoxin. It is a selective inhibitor of the highly conductance calcium-activated (maxi-K) potassium channels. Galvez, A. et al. *J. Biol. Chem.* **265**, 11083 (1990); Candia, S. et al. *Biophys. J.* **63**, 583 (1992)

### Related Products:

| Name   | Cat #       | Size   |
|--|-------------|--------|
| Charybdotoxin<br>(Pyr-FTNVSCTTSKECWSVCQRLHNTSRGKCMNKKRCYS)<br>(Disulfide bridge: 7-28, 13-33 and 17-35)          | AS-28244    | 0.1 mg |
| [Glu32]-Charybdotoxin<br>(Pyr-FTNVSCTTSKECWSVCQRLHNTSRGKCMNKECRCYS)<br>(Disulfide bridge: 7-28, 13-33 and 17-35) | AS-61200-01 | 0.1 mg |

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