



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-FTDVDCSVSKECWSVCKDLFGVDRGKCMGKKCRCYQ (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 H₂O, 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 (Pyr-FTNVSCTTSKECWSVCQRLHNTSRGKCMNKKCRYS) (Disulfide bridge: 7-28, 13-33 and 17-35)	AS-28244	0.1 mg

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