

Analytical Data Sheet

Lot number

0563680

not for drug use

Catalog Number

H-2192.0500

Product number

4030845.0500

Product

Margatoxin

H- Thr- Ile- Ile- Asn- Val- Lys- Cys- Thr- Ser- Pro-
Lys- Gln- Cys- Leu- Pro- Pro- Cys- Lys- Ala- Gln-
Phe- Gly- Gln- Ser- Ala- Gly- Ala- Lys- Cys- Met-
Asn- Gly- Lys- Cys- Lys- Cys- Tyr- Pro- His- OH
(Disulfide bonds between Cys⁷ and Cys²⁹/Cys¹³ and Cys³⁴/
Cys¹⁷ and Cys³⁶)

Molecular formula

C₁₇₈H₂₈₆N₅₂O₅₀S₇

Relative molecular mass

4179.01

Tests	Results
Identification (MALDI-MS)	as expected
Amino acid analysis	<p>Asx 2.02 (2) Gly 3.16 (3) Ile* 1.23 (2) His 1.15 (1) Thr 1.80 (2) Ala 3.01 (3) Leu 0.93 (1) Ser 1.87 (2) Cys 5.21 (6) Tyr 1.02 (1) Glx 3.00 (3) Val 0.75 (1) Phe 0.97 (1) Pro 3.95 (4) Met 0.73 (1) Lys 5.82 (6)</p> <p>* Ile-Ile bond requires a lengthened hydrolysis time</p>
Solubility	At least 1 mg/ml in 0.1 % TFA in H ₂ O with agitation
Purity (HPLC)	> 95%
Peptide content	82%
Storage and Reconstitution	<p>In order to prevent oxidative dimerization or degradation of the peptide, it is mandatory to store the material under an inert atmosphere such as argon or nitrogen! Sample must be dissolved carefully in solutions which have been deaerated and purged with an inert gas. Sample solutions should be prepared daily and not reused.</p>
Latest update: October 25, 2008	<p style="text-align: right;">Analytical Data Sheet Lot number 0563680</p>