



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-200831
Lot Number: SAMPLE
Product Name: Mastoparan (Vespula lewisii)
CAS Number: 72093-21-1
Molecular Formula: $C_{70}H_{131}N_{19}O_{15}$
Molecular Weight: 1478.9
Native Source: Synthetic. Originally isolated from wasp venom (Vespula lewisii).

Test	Specification	Result
Appearance		White lyophilized powder
Identification (Mass Spectrometry)	Electrospray "Exhibits correct MW"	Complies
Purity (HPLC)		98.0% (peptide)
Solubility		1 mg/ml in water
Peptide Content		70.0%
Amino Acid Analysis	Ala 4.00 Asx 1.00 Ile 2.00 Leu 4.00 Lys 3.00	Ala 4.15 Asx 0.85 Ile 1.75 Leu 4.00 Lys 2.86
Counter Ion		Trifluoroacetate

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com