

Analytical Data Sheet

Lot number **1000015428**
not for drug use

Catalog number **H-1088.0100**

Product number **4030552.0100**

Product **α - Dendrotoxin**
Pyr- Pro- Arg- Arg- Lys- Leu- Cys- Ile- Leu- His- Arg-
Asn- Pro- Gly- Arg- Cys- Tyr- Asp- Lys- Ile- Pro- Ala-
Phe- Tyr- Tyr- Asn- Gln- Lys- Lys- Lys- Gln- Cys- Glu-
Arg- Phe- Asp- Trp- Ser- Gly- Cys- Gly- Gly- Asn- Ser-
Asn- Arg- Phe- Lys- Thr- Ile- Glu- Glu- Cys- Arg- Arg-
Thr- Cys- Ile- Gly- OH
(Disulfide bonds between Cys⁷ and Cys⁵⁷/Cys¹⁶ and
Cys⁴⁰/Cys³² and Cys⁵³)

Molecular formula $C_{305}H_{472}N_{98}O_{84}S_6$

Relative molecular mass 7048.11

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (1 mg/mL in 10% acetic acid)
Identification (ESI-MS)	m= 7048.0u (average mass)
Purity (HPLC)	97.5% (TFA) 95.6% (NaClO ₄)
Assay (elemental analysis)	75.9% (Nth 19.48%, Nfd 14.79%)
General comment	PIN: 30552/1b/0x3a

Latest update: April 29, 2019

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