

# Certificate of Analysis



## Product Identification

Catalog number	HB1219
Compound name	$\omega$ -Conotoxin MVIC
Amino acid sequence	H-Cys(1)-Lys-Gly-Lys-Gly-Ala-Pro-Cys(2)-Arg-Lys-Thr-Met-Tyr-Asp-Cys(3)-Cys(1)-Ser-Gly-Ser-Cys(2)-Gly-Arg-Arg-Gly-Lys-Cys(3)-NH <sub>2</sub>
Modifications	Sulphide bridges 1-16, 8-20, and 15-26. C-terminal amide.
Batch number	E1981-1-1
Batch molecular formula	C <sub>106</sub> H <sub>178</sub> N <sub>40</sub> O <sub>32</sub> S <sub>7</sub>
Batch molecular weight	2749.00

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.0%
Peptide content	Peptide content between 60 % and 100 %	Meets specification: 100%
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (1 mg/ml)	Meets specification

Produced by

Signature

Passed by

Signature

Date

11/05/2022

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.