

Certificate of Analysis



Product Identification

Catalog number	HB1053
Compound name	Iberiotoxin
Amino acid sequence	XFTDVCDSVSKECWVCKDLFGVDRGKCMGKKRC YQ
Modifications	X = Pyroglutamate. Disulfide bridge between 7-28, 13-33, and 17-35. pGlu-Phe-xiThr-Asp-Val-Asp-Cys(1)-Ser-Val-Sar-Lys-Gln-Cys(2)-Trp-Ser-Val-Cys(3)-Lys-Asp-Ile-Phe-Gly-Val-Asp-Arg-Gly-Lys-Cys(1)-Met-Gly-Lys-Lys-Cys(2)-Arg-Cys(3)-Tyr-Gln-OH
Batch number	E2002-1-1
Batch molecular formula	$C_{173}H_{272}N_{42}O_{28}S_7$
Batch molecular weight	4230.90

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >95% purity	Meets specification: 95.17%
Mass spec	Mass spec analysis shows a molecular ion	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water to 10 mg/ml	Meets specification

Produced by

Signature

Passed by

Signature

Date

19/05/2022

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