

# Certificate of Analysis



## Product Identification

Catalog number	HB1161
Compound name	GsMTx-4
Amino acid sequence	GCLEFWWKCNPNDDKCCRPKLKCSKLFKLCNFSF
Modifications	Disulphide bridges 2-17, 9-23, and 16-30. C terminal = Phe34
Batch number	E2388-1-1
Batch molecular formula	C <sub>185</sub> H <sub>273</sub> N <sub>49</sub> O <sub>45</sub> S <sub>6</sub>
Batch molecular weight	4095.85

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >95% purity	Meets specification: 98.0%
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

## Biological validation

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

11/09/2023

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