

# Certificate of Analysis



## Product Identification

<b>Catalog number</b>	HB2038
<b>Compound name</b>	$\alpha$ -Bungarotoxin
<b>Amino acid sequence</b>	IVCHTTATSPISAVTCTPPGENLCYRKMWCDAFCSSRGKVVELGCAAT CPSKPYEEVTCSTDKCNPHPKQRP
<b>Modifications</b>	Disulfide bonds link cystines 3 - 23, 16 - 44, 29 - 33, 48 - 59, and 60 - 65
<b>Batch number</b>	E1822-1-1
<b>Batch molecular formula</b>	$C_{338}H_{529}N_{97}O_{105}S_{11}$
<b>Batch molecular weight</b>	7984.00
<b>Salt form</b>	TFA Salt

Method	QC requirement	QC Result
<b>HPLC</b>	Reverse Phase HPLC shows >95% purity	Meets specification: 99.0%
<b>Peptide content</b>	Peptide content between 60 % and 100 %	Meets specification: 100%
<b>Mass spectrum</b>	Mass spec analysis consistent with structure	Meets specification
<b>Physical appearance</b>	White to off-white solid	Meets specification: White solid
<b>Solubility</b>	Soluble in water	Meets specification

Produced by

Signature

Passed by

Signature

Date

09-12-21

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