## **Certificate of Analysis**



Catalog number Compound name Amino acid sequence   HB7890 Pept01 WKCNPNDDKCCRPKLKC     Modifications   N/A E2451-1-1 C <sub>85</sub> H <sub>139</sub> N <sub>27</sub> O <sub>28</sub> S4, 2051.44     Batch molecular formula   C <sub>85</sub> H <sub>139</sub> N <sub>27</sub> O <sub>28</sub> S4, 2051.44     Salt form   TFA Salt     Method   QC requirement     HPLC Peptide content   Reverse Phase HPLC shows >95% purity Peptide content between 60 % and 100 %   Meets specification: 96.1% Meets specification: 70.3%     Mass spectrum   Mass spec analysis consistent with structure   Meets specification: White solid Meets specification: White solid Soluble in water (1 mg/ml)	Product Identification		
Amino acid sequence WKCNPNDDKCCRPKLKC   Modifications N/A   Batch number E2451-1-1   Batch molecular formula C <sub>85</sub> H <sub>139</sub> N <sub>27</sub> O <sub>24</sub> S4   Batch molecular weight 2051.44   Salt form TFA Salt   Method QC requirement QC Result   HPLC Reverse Phase HPLC shows >95% purity Meets specification: 96.1%   Peptide content Mass spec ranalysis consistent with structure Meets specification: 70.3%   Mass spectrum White to off-white solid Meets specification: White solid	Catalog number	HB7890	
Modifications   N/A     Batch number   E2451-1-1     Batch molecular formula $C_{86}H_{139}N_{27}O_{24}S_4$ Batch molecular weight   2051.44     Salt form   TFA Salt     Method   QC requirement   QC Result     HPLC   Reverse Phase HPLC shows >95% purity   Meets specification: 96.1%     Peptide content   Peptide content between 60 % and 100 %   Meets specification: 70.3%     Mass spectrum   Mass spec analysis consistent with structure   Meets specification     Physical appearance   White to off-white solid   Meets specification: White solid	Compound name	Pept01	
Batch number   E2451-1-1     Batch molecular formula $C_{89}H_{139}N_{27}O_{24}S_4$ Batch molecular weight   2051.44     Salt form   TFA Salt     Method   QC requirement     QC Result     HPLC   Reverse Phase HPLC shows >95% purity     Peptide content   Peptide content between 60 % and 100 %     Mass spectrum   Mass spec analysis consistent with structure     Physical appearance   White to off-white solid	Amino acid sequence	WKCNPNDDKCCRPKLKC	
Batch molecular formula   C <sub>86</sub> H <sub>139</sub> N <sub>27</sub> O <sub>24</sub> S <sub>4</sub> Batch molecular weight   2051.44     Salt form   QC requirement   QC Result     Method   QC requirement   QC Result     HPLC   Reverse Phase HPLC shows >95% purity   Meets specification: 96.1%     Peptide content   Peptide content between 60 % and 100 %   Meets specification: 70.3%     Mass spectrum   Mass spec analysis consistent with structure   Meets specification     Physical appearance   White to off-white solid   Meets specification: White solid	Modifications	N/A	
Batch molecular weight Salt form   2051.44 TFA Salt     Method   QC requirement   QC Result     HPLC Peptide content   Reverse Phase HPLC shows >95% purity Peptide content between 60 % and 100 %   Meets specification: 96.1% Meets specification: 70.3%     Mass spectrum   Mass spec analysis consistent with structure   Meets specification     Physical appearance   White to off-white solid   Meets specification: White solid	Batch number	E2451-1-1	
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Peptide content     Peptide content between 60 % and 100 %     Meets specification: 70.3%       Mass spectrum     Mass spec analysis consistent with structure     Meets specification       Physical appearance     White to off-white solid     Meets specification: White solid	Method	QC requirement	QC Result
Peptide content     Peptide content between 60 % and 100 %     Meets specification: 70.3%       Mass spectrum     Mass spec analysis consistent with structure     Meets specification       Physical appearance     White to off-white solid     Meets specification: White solid	HPLC	Reverse Phase HPLC shows >95% purity	Meets specification: 96.1%
Physical appearance     White to off-white solid     Meets specification: White solid	Peptide content		Meets specification: 70.3%
	Mass spectrum	Mass spec analysis consistent with structure	Meets specification
Solubility Soluble in water (1 mg/ml) Meets specification	Physical appearance		
	Filysical appearance	White to off-white solid	Meets specification: White solid

Produced by Richard Patterson	Signature	Route
Passed by Steve Roome	Signature	S
	Date	29/11/2023

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