

Certificate of Analysis

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Product Name: TCS 184
CAS Number: 1315378-71-2

Catalog No.: 2320 **Batch No.:** 1

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₅₈H₉₆N₂₀O₂₀S
Batch Molecular Weight: 1425.58
Physical Appearance: White lyophilised solid
Net Peptide Content: 71%
Counter Ion: TFA
Solubility: Soluble to 1 mg/ml in water
Storage: Desiccate at -20°C
Peptide Sequence: Thr-Ala-Glu-Ser-Thr-Phe-Met-Arg-Pro-Ser-Gly-Ser-Arg-NH₂

2. ANALYTICAL DATA

HPLC: Shows >96% purity

3. AMINO ACID ANALYSIS DATA

Amino Acid Theoretical Actual			Amino Acid Theoretical Actual		
Ala	1.00	1.08	Lys		
Arg	2.00	2.08	Met	1.00	0.80
Asx			Phe	1.00	1.06
Cys			Pro	1.00	1.06
Glx	1.00	1.02	Ser	3.00	2.87
Gly	1.00	1.04	Thr	2.00	1.99
His			Trp		
Ile			Tyr		
Leu			Val		

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Information

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Product Name: TCS 184
CAS Number: 1315378-71-2

Catalog No.: 2320 **Batch No.:** 1

Description:

Scrambled control peptide for use with TCS 183 (Cat. No. 2236).

Physical and Chemical Properties:

Batch Molecular Formula: C₅₈H₉₆N₂₀O₂₀S

Batch Molecular Weight: 1425.58

Physical Appearance: White lyophilised solid

Peptide Sequence:

Thr-Ala-Glu-Ser-Thr-Phe-Met-Arg-Pro-Ser-
Gly-Ser-Arg-NH₂

Storage: Desiccate at -20°C

Solubility & Usage Info:

Soluble to 1 mg/ml in water

Net Peptide Content: 71% (Remaining weight made up of counterions and residual water).

Counter Ion: TFA

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Peptides in solution are much less stable than in lyophilized form. This is especially true for peptides whose sequences contain amino acids such as Cys, Met, Trp, Asn, Gln, and N-terminal Glu.

Therefore we recommend storing peptides in solution for as short a time as possible. Avoid repeated freeze thaw cycles by dividing the peptide solution into aliquots and storing the aliquots at -20°C. Any portion of an aliquot unused after thawing should be discarded.

Peptides stored in solution can occasionally be susceptible to bacterial degradation. We recommend using sterile solutions or passing the peptide solution through a 0.2 µm filter to remove potential bacterial contamination whenever possible.

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