

Certificate of Analysis

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Product Name: Saralasin

Catalog No.: 1163

Batch No.: 10

CAS Number: 34273-10-4

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄₂H₆₅N₁₃O₁₀
Batch Molecular Weight: 912
Physical Appearance: White lyophilised solid
Net Peptide Content: 63%
Counter Ion: TFA
Solubility: Soluble to 1 mg/ml in water
Storage: Desiccate at -20°C
Peptide Sequence: Sar-Arg-Val-Tyr-Val-His-Pro-Ala

2. ANALYTICAL DATA

HPLC: Shows 98.1% purity
Mass Spectrum: Consistent with structure

3. AMINO ACID ANALYSIS DATA

| Amino Acid Theoretical Actual | | | Amino Acid Theoretical Actual | | |
|-------------------------------|------|------|-------------------------------|------|------|
| Ala | 1.00 | 0.95 | Lys | | |
| Arg | 1.00 | 0.93 | Met | | |
| Asx | | | Phe | | |
| Cys | | | Pro | 1.00 | 1.07 |
| Glx | | | Ser | | |
| Gly | | | Thr | | |
| His | 1.00 | 1.12 | Trp | | |
| Ile | | | Tyr | 1.00 | 0.99 |
| Leu | | | Val | 2.00 | 1.95 |

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

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Product Information

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Catalog No.: 1163

Batch No.: 10

CAS Number: 34273-10-4

Description:

Competitive non-selective angiotensin II antagonist.

Physical and Chemical Properties:

Batch Molecular Formula: C₄₂H₆₅N₁₃O₁₀

Batch Molecular Weight: 912

Physical Appearance: White lyophilised solid

Peptide Sequence:

Sar-Arg-Val-Tyr-Val-His-Pro-Ala

Storage: Desiccate at -20°C

Solubility & Usage Info:

Soluble to 1 mg/ml in water

Net Peptide Content: 63% (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.

References:

Thomas et al (1995) Saralasin suppresses arrhythmias in an isolated guinea-pig ventricular free wall model of simulated ischemia and reperfusion. *J.Pharmacol.Exp.Ther.* **274** 1379. PMID: 7562511.

Steinhausen et al (1986) Angiotensin II control of the renal microcirculation: effect of blockade by saralasin. *Kidney Int.* **30** 56. PMID: 3747343.

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