

Certificate Of Analysis

Quality Control Testing and Research Application

COA Preparation Date: 29/12/2014
COA Revision Date: 29/12/2017

Product: [Trp³,Arg⁵]-Ghrelin (1-5) (human, rat)
Cat. No.: BP0361
Batch No.: 0361BP/01
Chemical Name:

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₁H₄₁N₉O₇
Batch Molecular Weight: 651.71
CAS No.: [848442-59-1]
Physical Appearance: White lyophilised solid
Melting Point:
Solubility: Soluble in water
Storage: Desiccate at -20° C
Batch Molecular Structure:

H-Gly-Ser-Trp-Phe-Arg-OH

Product Description: Novel growth hormone secretagogue (GSH) receptor agonist based on the primary structure of ghrelin (IC₅₀ = 10 µM). Displays stimulation of growth hormone secretion after intravenous or oral administration and increased food intake in non-fasted mice when administered centrally.

References: 1. Ohinata et al. (2006) Peptides 27:1632

- CAUTION - Not fully tested. For Research use only. Not for human use. –

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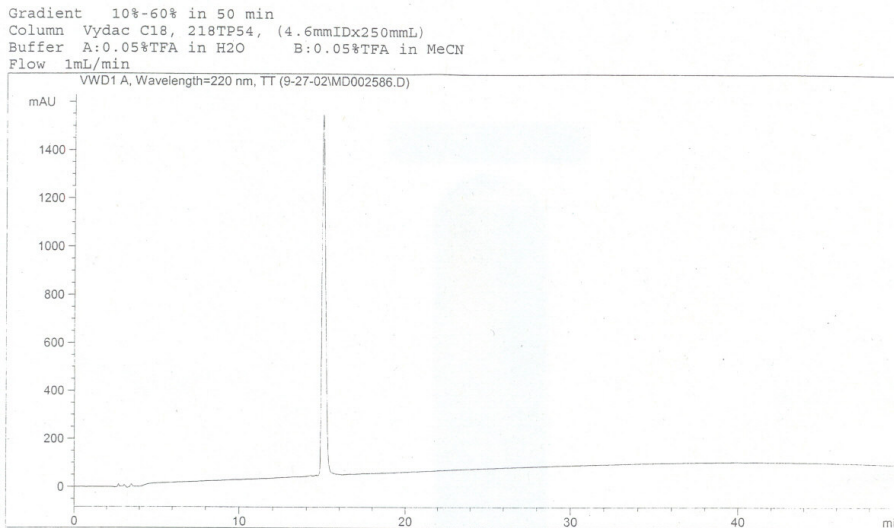
BP0361 [Trp³,Arg⁵]-Ghrelin (1-5) (human, rat)

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: 99.59% (complies).



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 Area Percent Report
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Sorted By : Signal
 Multiplier : 1.0000
 Dilution : 1.0000
 Sample Amount : 2.00000 [ng/ul] (not used in calc.)

Signal 1: VWD1 A, Wavelength=220 nm, TT

| Peak # | RetTime [min] | Type | Width [min] | Area mAU*s | Height [mAU] | Area % |
|--------|---------------|------|-------------|------------|--------------|---------|
| 1 | 14.222 | BP | 0.1940 | 46.64035 | 3.39105 | 0.2005 |
| 2 | 14.560 | VV | 0.1291 | 23.92177 | 2.91785 | 0.1029 |
| 3 | 14.938 | VB | 0.2425 | 2.31615e4 | 1502.37732 | 99.5920 |
| 4 | 16.624 | PB | 0.2550 | 24.32151 | 1.28968 | 0.1046 |

Totals : 2.32564e4 1509.97590

Results obtained with enhanced integrator!
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