

Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 28/11/2014
COA Revision Date: 28/11/2017

Product: Neurotensin
Cat. No.: BP0201
Batch No.: 0201BP/01
Chemical Name:

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₇₈H₁₂₁N₂₁O₂₀
Batch Molecular Weight: 1672.92
CAS No.: [39379-15-2]
Physical Appearance: White lyophilised solid
Melting Point:
Solubility: Soluble in water
Storage: Desiccate at -20° C
Batch Molecular Structure:

pGlu-Leu-Tyr-Glu-Asn-Lys-Pro-
Arg-Arg-Pro-Tyr-Ile-Leu-OH

Product Description: Neurotransmitter-like hypothalamic peptide that lowers blood pressure, increases vascular permeability, and increases blood levels of glucagon, glucose, growth hormone and prolactin in rats.

References: 1. Vincent et al. (1999) TiPS 20:302; 2. Tyler-McMahon (2000) Regul Peptides 93:125; 3. Binder et al. (2001) Pharmacol Rev 53:453

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

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2. ANALYTICAL DATA

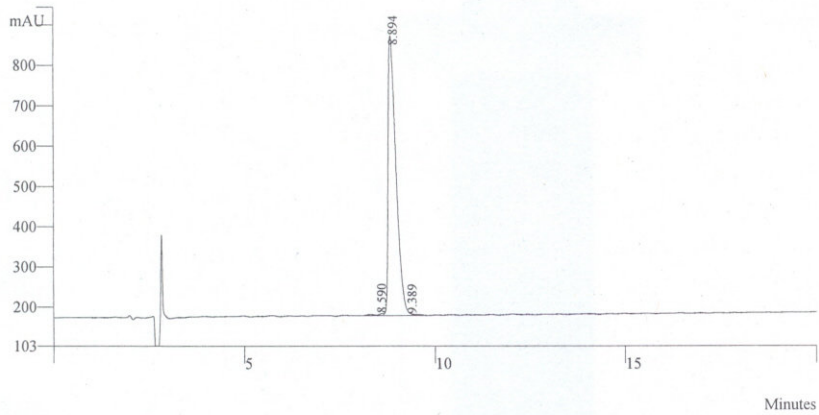
HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Counter Ion: Acetate; Peptide Content: 77.4%; HPLC Assay: 98.8% (complies).

Data File:	c:\star\data\60-1-12\v10038a1-tfa001.ru	Calc Date:	10/10/2007 12:20:31
Channel:	1 = UV RESULTS	Times Calculated:	2
Sample ID:	V10038A1-TFA	Calculation Method:	v10038a1-tfa001-1.mth
Instrument (Inj):	Left Side System	Run Mode:	Analysis
Injection Date:	10/10/2007 11:48:43	Peak Measurement:	Peak Area
Injection Method:	c:\star\methods\left side method.mth	Calculation Type:	Percent
Run Time (min):	20.000		

Wavelength: 215 nm; Flow rate: 1.2 ml/min; Buffer A: 0.1% TFA in Water; Buffer B: 0.1% TFA in Acetonitrile; Temp.:
 Column: Discovery C18, 4.6 mm x 250 mm, 5 micron; Gradient (Linear): 20%-40% buffer B in 20 min.; Inj. Vol.: 20 ul
 Analyst: Shilpa Patel,



Peak No	Result (%)	Ret Time (min)	Peak Area (counts)	Peak Height (counts)
1	0.8	8.590	79156	4835
2	98.8	8.894	9936073	669838
3	0.4	9.389	37921	2864
	100.0		10053150	677537

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