

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

Product: Calcium-like peptide 3
Cat. No.: BP0064
Batch No.: 0064BP/01
Chemical Name: CALP3

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₄₄H₆₈N₁₀O₉
Batch Molecular Weight: 881.07
CAS No.: [261969-05-5]
Physical Appearance: White lyophilised solid
Melting Point:
Solubility: Soluble to 1 mg/ml in water
Storage: Desiccate at -20° C
Batch Molecular Structure:



H-Val-Lys-Phe-Gly-Val-Gly-Phe-Lys-OH

Product Description: Cell-permeable calmodulin (CaM) agonist. Binds to the EF-hand/Ca²⁺ - binding site, activates phosphodiesterase in the absence of Ca²⁺ and inhibits Ca²⁺-mediated cytotoxicity and apoptosis (IC₅₀ = 33 µM).

References: 1. Villain et al. (2000) J Biol Chem 274:2676; 2. Manion et al. (2000) FASEB J 14:1297; 3. Ten Broeke et al. (2003) Eur J Pharmacol 476:151; 4. Ten Broeke et al. (2004) Clin Exp Allergy 34:170

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

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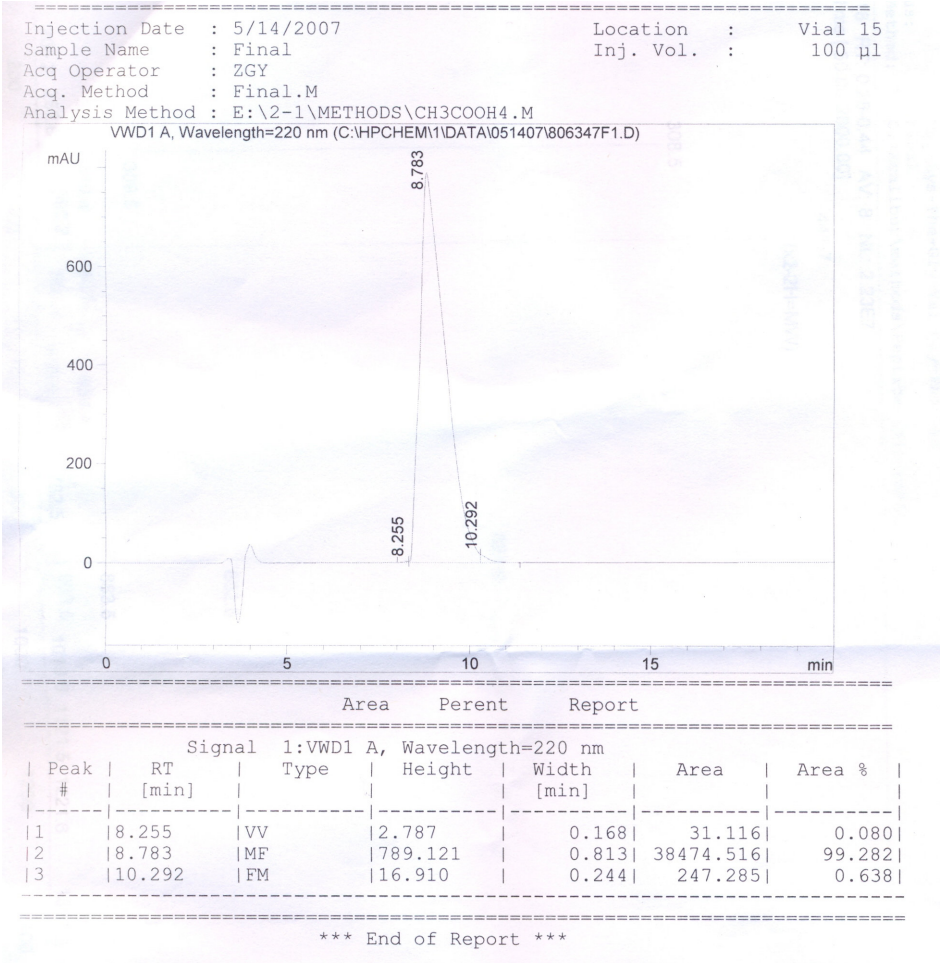
BP0064 Calcium-like peptide 3

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Counter Ion: Trifluoroacetate; Peptide Content: 74%; HPLC Assay: 99.2%
 (complies).



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