

Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 26/09/2011
COA Revision Date: 26/09/2014

Product: Caloxin 2A1
Cat. No: BP0357
Batch No: 0357BP/03
Chemical Name:

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₆₄H₉₀N₁₈O₂₃
Batch Molecular Weight: 1479.54
CAS No:
Physical Appearance: White to off-white powder
Melting Point:
Solubility: Soluble to 1 mg/ml in water
Storage: Desiccate at -20° C
Batch Molecular Structure:

H-Val-Ser-Asn-Ser-Asn-Trp-Pro-Ser-Phe-
Pro-Ser-Ser-Gly-Gly-Gly-NH₂

Product Description: Plasma membrane Ca²⁺ ATPase (PMCA) inhibitor. It has been reported to inhibit PMCA activity by interacting with the second extracellular loop on the pump.

References: 1. Chaudhary et al. (2001) AJP Cell Phys 280:C1027

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

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2. ANALYTICAL DATA

HPLC: corresponds to the reference

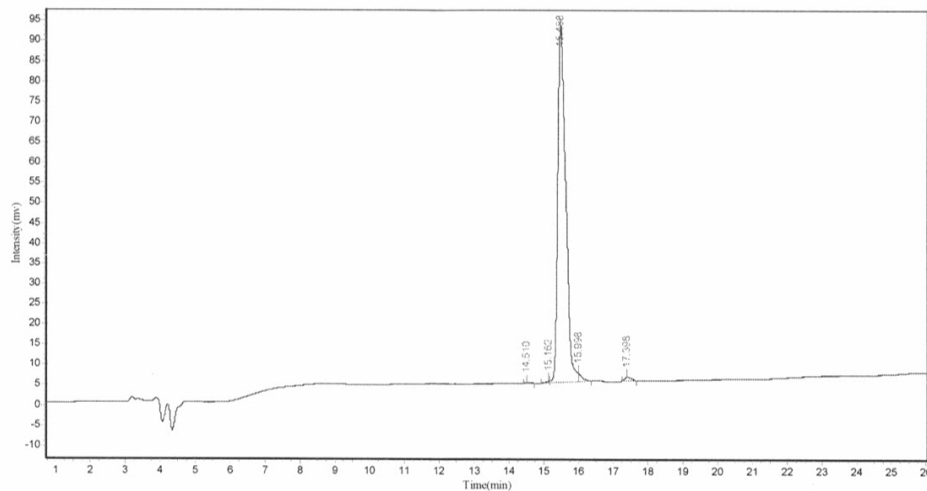
MS: corresponds to the reference

Tests: Counter Ion: Trifluoroacetate; HPLC Assay: 97.51% (complies).

Column : 4.6×250mm,Venusil MP C18-5
 Solvent A : 0.1% trifluoroacetic in 100% acetonitrile
 Solvent B : 0.1% trifluoroacetic in 100% water
 Gradient :

	A	B
0.01min	18%	82%
25min	43%	57%
25.1min	100%	0%
30min	STOP	

Flow rate : 1.0 mL/min
 Wavelength : 220nm
 Volumn : 5ul



Peak No.	Ret Time	Height	Area	Conc..
1	14.510	256.000	2799.996	0.1958
2	15.162	421.135	2759.875	0.1929
3	15.488	87971.031	1394875.250	97.5183
4	15.998	2168.278	17393.279	1.2160
5	17.398	939.082	12544.004	0.8770
Total				100.0000

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