

Certificate Of Analysis

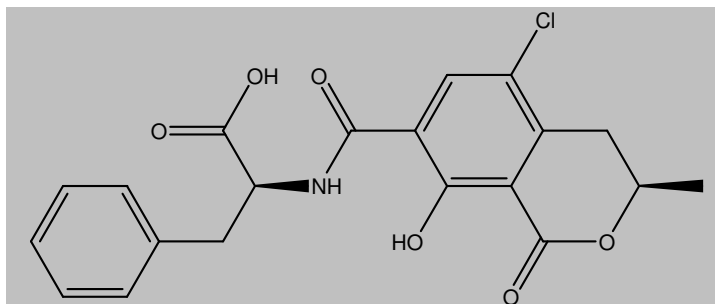
Quality Control Testing and Research Application

COA Preparation Date: 30/12/2014
COA Revision Date: 30/12/2017

Product: Ochratoxin A
Cat. No.: BS0135
Batch No.: 0135BS/01
Chemical Name: *N*-[[*(3R)*-5-Chloro-3,4-dihydro-8-hydroxy-3-methyl-1-oxo-1*H*-2-benzopyran-7-yl]carbonyl]-L-phenylalanine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₁₈ClNO₆
Batch Molecular Weight: 403.81
CAS No.: [303-47-9]
Physical Appearance: Beige powder
Melting Point: 108° C
Solubility: Soluble to 50 mM in ethanol
Storage: Desiccate at +4° C
Batch Molecular Structure:



Product Description: **A mycotoxin that is nephrotoxic and carcinogenic in the kidney and induces differentiation in cloned renal cell lines. Increases endoplasmic reticulum ATP-dependent Ca²⁺ pump activity. Induces JNK activation and apoptosis in MDCK-C7 cells at nanomolar concentrations. Stimulates lipid peroxidation.**

References: 1. Dirheimer and Creppy (1991) IARC Sci Publ 115:171; 2. Omar et al. (1991) J Biochem Toxicol 6:203; 3. Chong and Rahimtula (1992) Biochem Pharmacol 44:1401; 4. Gekle et al. (2000) J Pharmacol Exp Ther 293:837; 5. Knasmuller et al. (2004) Nutr Cancer 50:190

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



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BS0135 Ochratoxin A

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Heavy Metals: < 20 PPM (complies); HPLC Assay: > 99% (complies).

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