



LKT Laboratories, Inc.

## Ochratoxin A

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### Product Information

Product ID O0829

CAS No. 303-47-9

**Chemical Name** (R)-N-[(5-Chloro-3,4-dihydro-8-hydroxy-3-methyl-1-oxo-1H-2-benzopyran-7-yl)carbonyl]-L-phenylalanine

**Synonym** Phenylalanine - ochratoxin A

**Formula** C<sub>20</sub>H<sub>18</sub>ClNO<sub>6</sub>

**Formula Wt.** 403.82

**Melting Point** 169° C

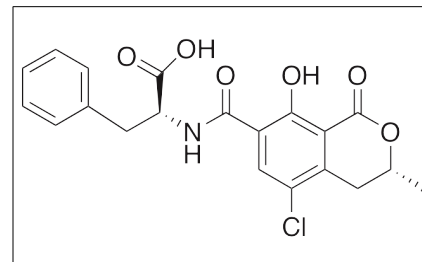
**Purity** ≥98%

**Solubility** Soluble in methanol (10 mg/mL), ethanol (20 mg/mL).

**Store Temp** -20° C

**Ship Temp** Ambient

**Description** Ochratoxin A is a mycotoxin initially produced by *Aspergillus* and *Penicillium* that exhibits carcinogenic, neurotoxic, and pro-fibrotic activities. Ochratoxin A is occasionally found as a contaminant in food and livestock feed. In vivo, ochratoxin A inhibits glial cell proliferation, induces kidney damage and collagen formation, and potentially increases the development of cancerous formations. TEST!!!!!!



### Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
O0829	1 mg	\$99.40
O0829	5 mg	\$432.70

**References** Hennemeier I, Humpf HU, Gekle M, et al. Role of microRNA-29b in the ochratoxin A-induced enhanced collagen formation in human kidney cells. *Toxicology*. 2014 Oct 3;324:116-22. PMID: 25091173.

Paradells S, Rocamonde B, Llinares C, et al. Neurotoxic effects of ochratoxin A on the subventricular zone of adult mouse brain. *J Appl Toxicol*. 2014 Sep 25. [Epub ahead of print]. PMID: 25256750.

Qi X, Yu T, Zhu L, et al. Ochratoxin A induces rat renal carcinogenicity with limited induction of oxidative stress responses. *Toxicol Appl Pharmacol*. 2014 Sep 8. [Epub ahead of print]. PMID: 25218026.

Wu X, Hu J, Zhu B, et al. Aptamer-targeted magnetic nanospheres as a solid-phase extraction sorbent for determination of ochratoxin A in food samples. *J Chromatogr A*. 2011 Oct 14;1218(41):7341-7346. PMID: 21890142.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.