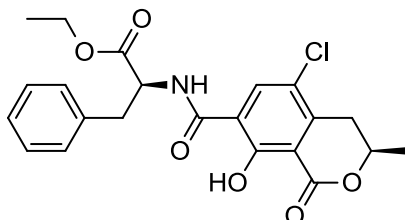


## Ochratoxin C

Code No.: **BIA-O1589**

Pack sizes: **1 mg, 5 mg**



Synonyms :

### Specifications

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| CAS #             | : 4865-85-4                                         |
| Molecular Formula | : C <sub>22</sub> H <sub>22</sub> ClNO <sub>6</sub> |
| Molecular Weight  | : 431.9                                             |
| Source            | : <i>Aspergillus</i> sp.                            |
| Appearance        | : Off-white solid                                   |
| Purity            | : >95% by HPLC                                      |
| Long Term Storage | : -20°C                                             |
| Solubility        | : Soluble in ethanol, methanol, DMF or DMSO.        |

### Application Notes

Ochratoxin C is a minor component of the ochratoxin complex produced by several *Aspergillus* and *Penicillium* sp. associated with food spoilage. Ochratoxin C is the ethyl ester of ochratoxin A and, despite its relatively low abundance, it is the most non-polar and the only neutral component of the complex. As such, ochratoxin C represents a different hazard to the acidic major components ochratoxins A and B. Ochratoxins are widely distributed in the environment and are known to be nephrotoxic and teratogenic, however ochratoxin C has not been extensively studied.

### References

1. Mycotoxins. Part II. The constitution of ochratoxins A, B, and C, metabolites of *Aspergillus ochraceus* Wilh. Van der Merwe K. J. et al., J.C.S. 1965, 7083.