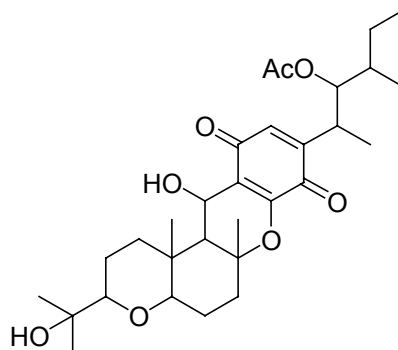


Cochlioquinone A

Code: **BIA-C1019**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : **Luteoleersin**

Specifications

CAS # : **32450-25-2**
Molecular Formula : **C₃₀H₄₄O₈**
Molecular Weight : **532.7**
Source : ***Bipolaris leersia* MST-FP107**
Appearance : **Yellow solid**
Purity : **> 99% by HPLC**
Long Term Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

Application Notes

Cochlioquinone A is the major component of a bioactive pigment isolated from *Bipolaris leersia*. It has been found to be an antagonist of the human chemokine receptor CCR5 in human immunodeficiency virus type 1 (HIV-1). It is anti-angiogenic and exhibits inhibitory activity against diacylglycerol acyltransferase and NADH-ubiquinone reductase.

References

1. Cochlioquinones and epi-cochlioquinones: antagonists of the human chemokine receptor CCR5 from *Bipolaris brizae* and *Stachybotrys chartarum*. Yoganathan K. et al, *J. Antibiot.* **2004**, 57, 59.
2. Cochlioquinone A1, a new anti-angiogenic agent from *Bipolaris zeicola*. Jung H.J. et al. *Bioorg. Med. Chem.* **2003**, 11, 4743.
3. Inhibitory activity of diacylglycerol acyltransferase by cochlioquinones A and A1. Lee H.B. et al. *J. Antibiot.* **2003**, 56, 967.
4. Phytotoxic compounds cochlioquinones are inhibitors of mitochondrial NADH-ubiquinone reductase. Lim C.-H. et al. *J. Pesticide Sci.* **1996**, 21, 213.