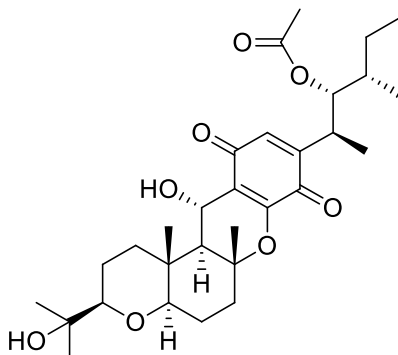


Cochlioquinone A

Code No.: **BIA-C1019**

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



Synonyms : Luteoleersin

Specifications

CAS #	: 32450-25-2
Molecular Formula	: $C_{30}H_{44}O_8$
Molecular Weight	: 532.7
Source	: <i>Bipolaris leersia</i>
Appearance	: Yellow Lyophilisate
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Cochlioquinone A is the major component of a bioactive pigment isolated from *Bipolaris leersia*. Cochlioquinone A has recently been shown to be an antagonist of the human chemokine receptor, CCR5, in HIV-1. Cochlioquinone A 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.