

Product Name: Cochlioquinone B

Product Number: C180

CAS Number: 32450-26-3

Molecular Formula: $C_{28}H_{40}O_6$

Molecular Weight: 472.6

Appearance: Yellow Lyophilisate

Storage Conditions: -20°C

Description: Cochlioquinone B, the minor component of a bioactive pigment isolated from *Bipolaris leersia*, is an NADH-ubiquinone reductase inhibitor and phytotoxic agent inhibiting root growth. It is closely related to Cochlioquinone A which inhibits diacylglycerol acyltransferase and exhibits anti-angiogenic and nematocidal activity. Cochlioquinones have recently been shown to be antagonists of the human chemokine receptor, CCR5, in HIV-1.

Cochlioquinone B is soluble in ethanol, methanol, DMF and DMSO.

References: 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.

Cochlioquinone A1, a new anti-angiogenic agent from *Bipolaris zeicola*. Jung H. J. et al. , Bioorg. Med. Chem., 2003, 11, 4743.

Inhibitory activity of diacylglycerol acyltransferase by cochlioquinones A and A1. Lee H. B. et al. , J. Antibiot., 2003, 56, 967.

Phytotoxic compounds cochlioquinones are inhibitors of mitochondrial NADH-ubiquinone reductase. Lim C.-H. et al. J. Pesticide Sci., 1996, 21, 213.