

<b>Product Name:</b>	Cochlioquinone A
<b>Product Number:</b>	C179
<b>CAS Number:</b>	32450-25-2
<b>Molecular Formula:</b>	$C_{30}H_{44}O_8$
<b>Molecular Weight:</b>	532.7
<b>Appearance:</b>	Yellow Lyophilisate
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	<p>Cochlioquinone A is the major component of a bioactive pigment isolated from <i>Bipolaris leersia</i>. Cochlioquinone A is anti-angiogenic and exhibits inhibitory activity against diacylglycerol acyltransferase and NADH-ubiquinone reductase.</p> <p>Cochlioquinone A is soluble in ethanol, methanol, DMF and DMSO.</p>
<b>Mechanism of Action:</b>	<p>Cochlioquinone A is an antagonist of the human chemokine receptor, CCR5, in HIV-1.</p>
<b>References:</b>	<p>Cochlioquinones and epi-cochlioquinones: antagonists of the human chemokine receptor CCR5 from <i>Bipolaris brizae</i> and <i>Stachybotrys chartarum</i>. Yoganathan K., et al. , J. Antibiot. 2004, 57, 59.</p> <p>Cochlioquinone A1, a new anti-angiogenic agent from <i>Bipolaris zeicola</i>. Jung H.J. et al. , Bioorg. Med. Chem. 2003, 11, 4743.</p> <p>Inhibitory activity of diacylglycerol acyltransferase by cochlioquinones A and A1. Lee H.B. et al. , J. Antibiot. 2003, 56, 967.</p> <p>Phytotoxic compounds cochlioquinones are inhibitors of mitochondrial NADH-ubiquinone reductase. Lim C.-H. et al. , J. Pesticide Sci. 1996, 21, 213.</p>