Cochlioquinone B
Item No. 25121

**CAS Registry No.:** 32450-26-3
**Formal Name:** (3R,4aR,6aR,12aR,12bR)-9-[(1S,3S)-1,3-dimethyl-2-oxopentyl]-1,2,3,4a,5,6a,12,12a,12b-decahydro-3-(1-hydroxy-1-methylethyl)-6a,12b-dimethylpyrano[3,2-a]xanthene-8,11-dione

**MF:** C_{28}H_{40}O_{6}
**FW:** 472.6
**Purity:** ≥98%
**Supplied as:** A solid
**Storage:** -20°C
**Stability:** ≥2 years
**Item Origin:** Fungi/Bipolaris leersia

*Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.*

**Laboratory Procedures**

Cochlioquinone B is supplied as a solid. A stock solution may be made by dissolving the cochlioquinone B in the solvent of choice. Cochlioquinone B is soluble in organic solvents such as ethanol, methanol, DMSO, and dimethyl formamide.

**Description**

Cochlioquinone is a sesquiterpene metabolite originally isolated from *C. miyabeaunus*. It is a phytotoxin that inhibits root growth of finger millet (*E. coracana*) and rice plants (*O. sativa*) by 59.9 and 51.7%, respectively, when used at a concentration of 100 ppm. Cochlioquinone B inhibits NADH oxidase and NADH-2,3-dimethoxy-5-pentyl-1,4-benzoquinone reductase from bovine heart mitochondria.

**References**