

**Product Name:** Terphenyllin

**Product Number:** T081

**CAS Number:** 52452-60-5

**Molecular Formula:**  $C_{20}H_{18}O_5$

**Molecular Weight:** 338.4

**Appearance:** White solid

**Storage Conditions:** -20°C

**Description:** Terphenyllin is the dominant analogue of a family of polyphenyl fungal metabolites produced by *Aspergillus candidus*. The occurrence of this metabolite is a criterion in the polyphasic taxonomy of *A. candidus*. Terphenyllin has not been extensively studied but exhibits anti-oxidative activity, acts as a plant growth inhibitor, and shows weak activity against HIV integrase.

Terphenyllin is soluble in ethanol, methanol, DMF and DMSO.

**References:** Biosynthesis of flavonoid and terphenyl metabolites by the fungus *Aspergillus candidus*. Marchelli R. et al. , Chem. Comm. 1973, 555.

Polyphasic taxonomy of *Aspergillus* section *Candidi* based on molecular, morphological and physiological data. Varga J. et al. , Studies in Mycology 2007, 59, 75.

Antioxidant activity and active compounds of rice koji fermented with *Aspergillus candidus*. Yen G-C. et al. , Food Chemistry 2003, 83, 49.

Isolation, structure, and HIV-1-integrase inhibitory activity of structurally diverse fungal metabolites. Singh S. B. et al. , J. Ind. Microbiol. Biotech. 2003, 30, 721.