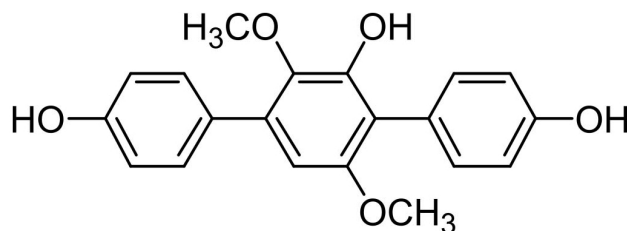


## Terphenyllin

Code No.: BIA-T1200

Pack sizes.: 1mg, 5mg



Synonyms:

-

## Specifications

CAS #	: <b>52452-60-5</b>
Molecular Formula	: <b>C20H18O5</b>
Molecular Weight	: <b>338.4</b>
Source	: -
Appearance	: <b>White solid</b>
Purity	: <b>&gt;99% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.</b>

## Application Notes

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.

## References

1. Biosynthesis of flavonoid and terphenyl metabolites by the fungus *Aspergillus candidus*. Marchelli R. et al., Chem. Comm. 1973, 555.
2. Polyphasic taxonomy of *Aspergillus* section *Candidi* based on molecular, morphological and physiological data. Varga J. et al., Studies in Mycology 2007, 59, 75.
3. Antioxidant activity and active compounds of rice koji fermented with *Aspergillus candidus*. Yen G-C. et al., Food Chemistry 2003, 83, 49.