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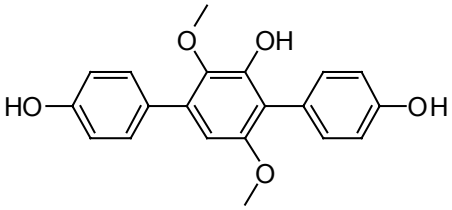
PRODUCT DATA SHEET

Terphenyllin

Code: **BIA-T1200**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	:	**52452-60-5**
Molecular Formula	:	**$C_{20}H_{18}O_5$**
Molecular Weight	:	**338.4**
Source	:	***Aspergillus candidus* MST-FP2029**
Appearance	:	**White solid**
Purity	:	**> 99%**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility**

Application Notes

Terphenyllin is the dominant analogue of a family of polyphenyl fungal metabolites produced *by Aspergillus candidus*. The occurence of this metabolite is used as a criterion in the polyphasic taxonomy of *A. candidus*. Terphenyllin has not been extensively studied but has been reported to exhibit 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.
4. 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.

Building C, 28-54 Percival Road, Smithfield NSW 2164, AUSTRALIA
Tel: 61 2 9757 4515 Fax: 61 2 9757 2586 Web: www.bioaustralis.com Email: info@bioaustralis.com