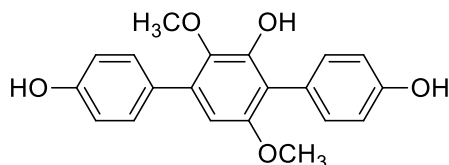


Terphenyllin

Code No.: **BIA-T1200**

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



Synonyms :

Specifications

| | |
|-------------------|---|
| CAS # | : 52452-60-5 |
| Molecular Formula | : C₂₀H₁₈O₅ |
| Molecular Weight | : 338.4 |
| Source | : <i>Aspergillus candidus</i> |
| Appearance | : White solid |
| Purity | : >95% by HPLC |
| 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 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.
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.