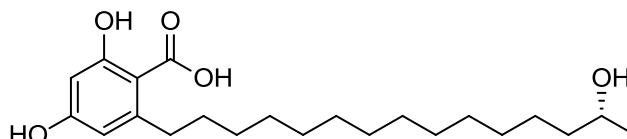


Phanerosporic acid

Code No.: **BIA-P1691**

Pack sizes: **5 mg, 25 mg**



Synonyms :

Specifications

CAS #	: 124709-28-0
Molecular Formula	: C ₂₂ H ₃₆ O ₅
Molecular Weight	: 380.5
Source	: <i>Phanerochaete</i> sp.
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Phanerosporic acid is the major metabolite isolated from the white wood rot fungus, *Phanerochaete chrysosporium*, reported by Arnone and co-workers in 1989. Phanerosporic acid is a hydrophobic orsellinic acid with a 14'-hydroxypentadecyl chain replacing the methyl 6-methyl moiety. Phanerosporic acid has broad Gram positive and Gram negative antibiotic activity, and stimulates root elongation of *Lepidium sativum* (garden cress). Phanerosporic acid has pronounced activity against *Helicobacter pylori*.

References

1. Secondary mold metabolites. Part 27. Phanerosporic acid, a β -resorcylic acid obtained from *Phanerochaete chrysosporium*. Arnone A. et al., *Phytochem.* 1989, 28, 2803.
2. Secondary mold metabolites. Part 28. Spirolaxine and sporotricale: two long-chain phthalides produced by *Sporotrichum laxum*. Arnone A. et al., *Phytochem.* 1990, 29, 613.
3. Three new resorcylic acid derivatives from *Sporotrichum laxum*. Wang S. et al., *Bioorg. & Med. Chem. Lett.* 23, 2013, 5806.