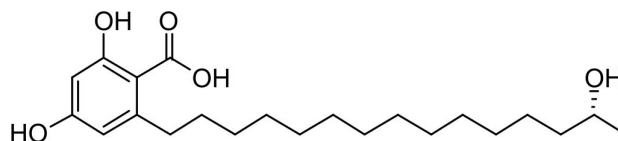


Phanerosporic acid

Code No.: BIA-P1691

Pack sizes.: 5mg, 25mg



Synonyms:

-

Specifications

| | |
|-------------------|---|
| CAS # | : 124709-28-0 |
| Molecular Formula | : C22H36O5 |
| Molecular Weight | : 380.52 |
| Source | : - |
| 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 -resorcylate 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 resorcyclic acid derivatives from *Sporotrichum laxum*. Wang S. et al., *Bioorg. & Med. Chem. Lett.* 23, 2013, 5806.