Thielavin A

Specifications

- **CAS #**: 71950-66-8
- **Molecular Formula**: C_{29}H_{30}O_{10}
- **Molecular Weight**: 538.5
- **Source**: Unidentified fungus
- **Appearance**: White Powder
- **Purity**: >95% by HPLC
- **Long Term Storage**: -20°C
- **Solubility**: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

The fungal metabolite, thielavin A, and its relatives are glucose-6-phosphatase inhibitors. The three benzoic acid units are essential for inhibition. Thielavin A was originally isolated as a inhibitor of prostaglandin biosynthesis. The closely related thielavin B is a telomerase and cell wall transglycosylation inhibitor.

References