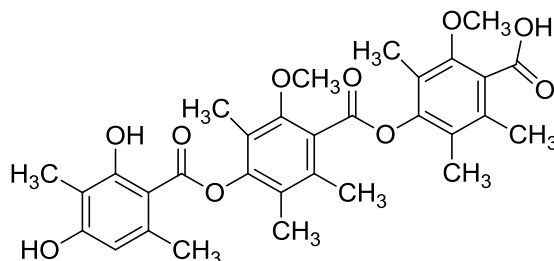


Thielavin B

Code No.: **BIA-T1092**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

Specifications

CAS #	: 71950-67-9
Molecular Formula	: C ₃₁ H ₃₄ O ₁₀
Molecular Weight	: 566.6
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

Thielavin B is a fungal metabolite closely related to thielavin A but reported to have a slightly different biochemical profile. Thielavins inhibit glucose-6-phosphatase. Thielavin B is a potent inhibitor of phospholipase C, and inhibits peptidoglycan formation and prostaglandin biosynthesis.

References

1. Thielavins as glucose-6-phosphatase (G6Pase) inhibitors: producing strain, fermentation, isolation, structural elucidation and biological activities. Sakemi S. et al., J. Antibiot. 2002, 55, 941.
2. The structures of thielavins A, B and C. Prostaglandin synthetase inhibitors from fungi. Kitahara N. et al., J. Antibiot. 1983, 36, 599.
3. Inhibition of telomerase activity by fungus metabolites, CRM646-A and thielavin B. Togashi K. et al., Biosci. Biotechnol. Biochem. 2001, 65, 651.
4. Screening systems for detecting inhibitors of cell wall transglycosylation inhibitors in Enterococcus. Mani N., et al., J. Antibiot. 1998, 51, 471.