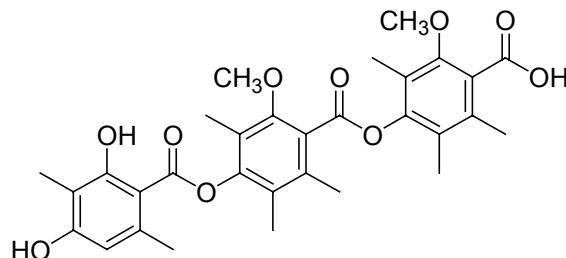


## Thielavin B

Code: **BIA-T1092**

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



Synonyms :

## Specifications

CAS #	: <b>71950-67-9</b>
Molecular Formula	: <b>C<sub>31</sub>H<sub>34</sub>O<sub>10</sub></b>
Molecular Weight	: <b>566.6</b>
Source	: <b>Unidentified fungus MST-FP1888</b>
Appearance	: <b>White Powder</b>
Purity	: <b>&gt; 95% by HPLC</b>
Long Term Storage	: <b>+4°C</b>
Solubility	: <b>Soluble in methanol and DMSO.</b>

## Application Notes

Thielavin B is closely related to thielavin A but has been reported to have a slightly different biochemical profile. Thielavin B is a potent inhibitor of phospholipase C, together with inhibition of 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.