

Product Name:	Thielavin B
Product Number:	T089
CAS Number:	71950-67-9
Molecular Formula:	$C_{31}H_{34}O_{10}$
Molecular Weight:	566.6
Appearance:	White Powder
Storage Conditions:	-20°C
Description:	<p>Thielavin B is a fungal metabolite closely related to thielavin A but reported to have a slightly different biochemical profile. Thielavin B is a potent inhibitor of phospholipase C, and inhibits peptidoglycan formation and prostaglandin biosynthesis.</p> <p>Thielavin B is soluble in ethanol, methanol, DMF and DMSO.</p>
Mechanism of Action:	Thielavins inhibit glucose-6-phosphatase.
References:	<p>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.</p> <p>The structures of thielavins A, B and C. Prostaglandin synthetase inhibitors from fungi. Kitahara N. et al. J. Antibiot. 1983, 36, 599.</p> <p>Inhibition of telomerase activity by fungus metabolites, CRM646-A and thielavin B. Togashi K. et al. Biosci. Biotechnol. Biochem. 2001, 65, 651.</p> <p>Screening systems for detecting inhibitors of cell wall transglycosylation inhibitors in Enterococcus. Mani N., et al. J. Antibiot. 1998, 51, 471.</p>