

Trichosetin, a Novel Tetramic Acid Antibiotic Produced in Dual Culture of *Trichoderma harzianum* and *Catharanthus roseus* Callus

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Trichosetin, *Trichoderma harzianum*, *Catharanthus roseus*

The dual culture of *Trichoderma harzianum* and *Catharanthus roseus* callus produced an antimicrobial compound with a remarkable activity against the Gram-positive bacteria *Staphylococcus aureus* and *Bacillus subtilis*. Structural elucidation revealed that this compound, which we have named trichosetin, is a novel tetramic acid (2,4-pyrrolidinedione) antibiotic and a homolog of the fungal metabolite equisetin. This compound however, was not produced in the individual culture of *T. harzianum* or *C. roseus* callus.