

Product Name: Viridicatumtoxin

Product Number: V024

CAS Number: 39277-41-3

Molecular Formula: $C_{30}H_{31}NO_{10}$

Molecular Weight: 565.6

Appearance: Yellow solid

Storage Conditions: -20°C

Description: Viridicatumtoxin is a tetracycline-like metabolite produced by several species of *Penicillium*, first isolated in 1976 as a mycotoxin. Initial testing revealed that viridicatumtoxin caused myocardial deterioration, renal tubule necrosis and spleen atrophy. Analogous to the related tetracyclines, viridicatumtoxin was found to be a potent antibacterial, with activity against *S. aureus* including MRSA and QRSA strains. Little has been published on the mode of action of viridicatumtoxin.

Viridicatumtoxin is soluble in ethanol, methanol, DMF and DMSO.

References: Viridicatumtoxin, a new mycotoxin from *Penicillium viridicatum* westling. Hutchison R.D. et al. Toxicol. Appl. Pharmacol. 1973, 24, 507.

Viridicatumtoxin B, a new anti-MRSA agent from *Penicillium* sp. FR11. Zheng J. et al. J. Antibiot. 2008, 61, 633.