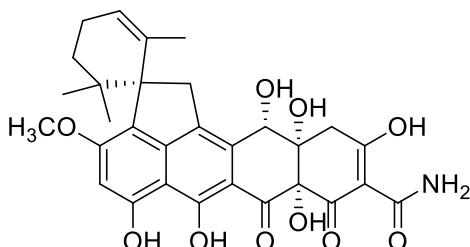


## Viridicatumtoxin

Code No.: **BIA-V1447**

Pack sizes: **1 mg, 5 mg**



Synonyms : NSC 159628

### Specifications

CAS #	: <b>39277-41-3</b>
Molecular Formula	: <b>C<sub>30</sub>H<sub>31</sub>NO<sub>10</sub></b>
Molecular Weight	: <b>565.6</b>
Source	: <b><i>Penicillium sp.</i></b>
Appearance	: <b>Yellow solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</b>

### Application Notes

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.

### References

1. Viridicatumtoxin, a new mycotoxin from *Penicillium viridicatum* westling. Hutchison R.D. et al., *Toxicol. Appl. Pharmacol.* 1973, 24, 507.
2. Viridicatumtoxin B, a new anti-MRSA agent from *Penicillium sp.* FR11. Zheng J. et al., *J. Antibiot.* 2008, 61, 633.