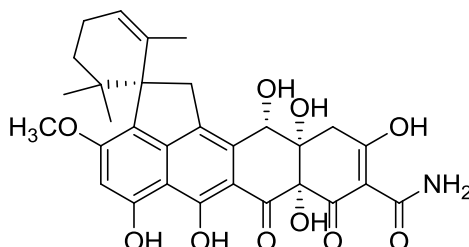


Viridicatumtoxin

Code No.: **BIA-V1447**

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



Synonyms : NSC 159628

Specifications

CAS #	: 39277-41-3
Molecular Formula	: C₃₀H₃₁NO₁₀
Molecular Weight	: 565.6
Source	: <i>Penicillium</i> sp.
Appearance	: Yellow solid
Purity	: >98% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

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.

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