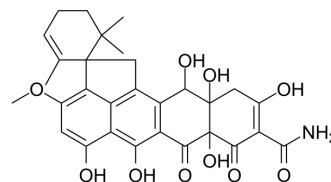


Viridicatumtoxin

Cat. No.:	HY-129208
CAS No.:	39277-41-3
Molecular Formula:	C ₃₀ H ₃₁ NO ₁₀
Molecular Weight:	565.57
Target:	Antibiotic; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Viridicatumtoxin is a new mycotoxin extracted from <i>Penicillium viridicatum</i> with a LD ₅₀ of 122.4 mg/kg in rats.
In Vivo	Viridicatumtoxin (60-400 mg/kg; i.p., p.o., s.c; ICR mice, Sprague-Dawley rats and mature Wistar rats (4/5 weeks; 16-20 g/140-150 g)) has no signs of toxicity with p.o. administration. As the dosage increasing (i.p. and p.o.), hepatocytes starts to have pathological changes and deaths occurs in both mice and rats. Mice and rats which given the viridicatumtoxin by s.c. has no signs of toxicity and none die, but coagulation necrosis is present at the injection site ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
	Animal Model: ICR mice, Sprague-Dawley rats and mature Wistar rats (4/5 weeks; 16-20 g/140-150 g) ^[2]
	Dosage: 60-400 mg/kg
	Administration: i.p., p.o., s.c.
	Result: Orally with viridicatumtoxin had no signs of toxicity. As the dosage increasing (i.p. and p.o.), hepatocytes started to have pathological changes and deaths occurred in both mice and rats. Mice and rats which given the viridicatumtoxin by s.c. had no signs of toxicity and none died, but coagulation necrosis was present at the injection site.

REFERENCES

- [1]. Hutchison RD, et al. Viridicatumtoxin, a new mycotoxin from *Penicillium viridicatum* Westling. *Toxicol Appl Pharmacol.* 1973;24(3):507-509.
- [2]. Bendele AM, Carlton WW, Nelson GE, Peterson RE, Grove MD. Viridicatumtoxin mycotoxicosis in mice and rats. *Toxicol Lett.* 1984;22(3):287-291.

Caution: Product has not been fully validated for medical applications. For research use only.

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