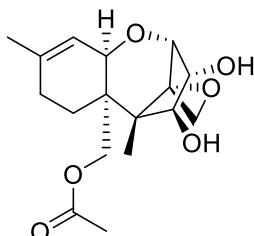


15-Acetoxy-scirpenol

Code No.: **BIA-A1921**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms : NSC 267030, 4-Deacetylanguidin, Acetoxy-scirpenediol, Monoacetoxy-scirpenol

Specifications

CAS #	: 2623-22-5
Molecular Formula	: C ₁₇ H ₂₄ O ₆
Molecular Weight	: 324.37
Source	: <i>Fusarium</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

15-Acetoxy-scirpenol is a trichothecene mycotoxin produced by *Fusarium* sp. infecting cereals and grains and posing a health risk to humans and livestock. 15-Acetoxy-scirpenol is also formed by biodegradation of diacetoxy-scirpenol. 15-Acetoxy-scirpenol induce apoptosis in Jurkat T cells by perturbation of the mitochondrial-membrane potential and PARP cleavage.

References

1. *Fusarium* toxins of the scirpentriol subgroup: a review. Schollenberger M. et al. *Mycopathologia* 2007, 164, 101.
2. Biodegradation of mycotoxins: Tales from known and unexplored worlds. Vanhoutte I. et al. *Front. Microbiol.* 2016; 7: 561.
3. Induction of apoptosis by disturbing mitochondrial-membrane potential and cleaving PARP in Jurkat T cells through treatment with acetoxy-scirpenol mycotoxins. Hee Lee D. et al. *Biol. Pharm. Bull.* 2006, 4, 648.