



UV: [neutral] $\lambda_{\max}$ (EtOH) (Berdy)

Sigma: A8905

>>Derivative: 15-Ac, 4-O- α -D-glucopyranoside

CAS Registry Number: 99124-45-5

Molecular Formula: C₂₃H₃₄O₁₁

Molecular Weight: 486.515

Accurate Mass: 486.210115

Percentage Composition: C 56.78%; H 7.04%; O 36.17%

Biological Source: From *Fusarium sulphureum*

Physical Description: Pale-yellow gum

Optical Rotation: $[\alpha]_D^{20} +79.5$ (c, 0.585 in MeOH)

Other Data: Less toxic than other trichothecenes

>>Derivative: 4,15-Di-Ac

Synonym(s): Diacetoxyscirpenol. Anguidin. ANG 66. NSC 141537

CAS Registry Number: 2270-40-8

Molecular Formula: C₁₉H₂₆O₇

Molecular Weight: 366.41

Accurate Mass: 366.167855

Percentage Composition: C 62.28%; H 7.15%; O 30.57%

Biological Source: Constit. of *Fusarium* spp.

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 161-162°

Optical Rotation: $[\alpha]_D^{19} +20$ (c, 1 in Me₂CO)

Calculated Log P Data: Log P -0.12 (uncertain value) (calc)

UV: [neutral] $\lambda_{\max}$ 0 (end) (ϵ) (MeOH) (Derep)

Hazard & Toxicity: Very toxic if swallowed. Skin irritant. LD₅₀ (rat, orl) 7 mg/kg. Exp. reprod. and teratogenic effects. Exp. immunotoxicological props. Other exp. effects. Associated with outbreaks of mycotoxicoses in farm animals

Sigma: D0761

>>Derivative: Tri-Ac

Molecular Formula: C₂₁H₂₈O₈

Molecular Weight: 408.447

Accurate Mass: 408.17842

Percentage Composition: C 61.75%; H 6.91%; O 31.34%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 124-125°

Optical Rotation: $[\alpha]_D^{23} +44$ (c, 1 in Me₂CO)

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