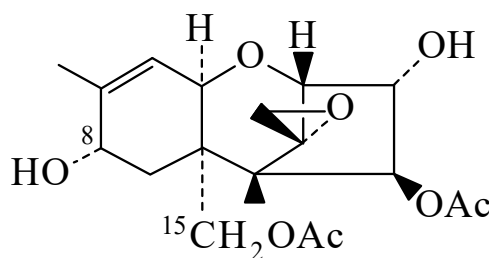




>>Entry Name: Neosolaniol

Synonym(s): 12,13-Epoxy-9-trichothecene-3,4,8,15-tetrol 4,15-diacetate, 9Cl. 3,4,8,15-Scirpenetetrol 4,15-diacetate. **Solaniol**†. Neozolaniol



CAS Registry Number: 36519-25-2

Molecular Formula: C₁₉H₂₆O₈

Molecular Weight: 382.41

Accurate Mass: 382.16277

Percentage Composition: C 59.68%; H 6.85%; O 33.47%

Biological Source: Prod. by several *Fusarium* spp.

Use/Importance: Inhibitor of protein synthesis. Shows toxic and cytotoxic props.

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 171-172°

Optical Rotation: [α]_D −35 (MeOH)

Solubility: BERDY SOL: Sol. MeOH, EtOAc; poorly sol. H₂O

UV: [neutral] λ_{max} 208 (ε 600) (MeOH) (Berdy)

Hazard & Toxicity: Skin irritant. LD₅₀ (ckn, orl) ca. 25 mg/kg ; BERDY HAZD : LD₅₀ (mus, ipr) 14.5 mg/kg

Sigma: N1761

>>Derivative: 8-Ac

Synonym(s): Acetylneosolaniol

Molecular Formula: C₂₁H₂₈O₉

Molecular Weight: 424.447

Accurate Mass: 424.173335

Percentage Composition: C 59.43%; H 6.65%; O 33.93%

Biological Source: Prod. by *Fusarium* spp.

Physical Description: Needles (C₆H₆/heptane)

Melting Point: Mp 190-190.5°

>>Derivative: 8-Propanoyl

Synonym(s): 8-Propanoylneosolaniol

CAS Registry Number: 111112-47-1

Molecular Formula: C₂₂H₃₀O₉

Molecular Weight: 438.474

Accurate Mass: 438.188985

Percentage Composition: C 60.26%; H 6.90%; O 32.84%

Biological Source: Prod. by *Fusarium sporotrichioides*

>>Derivative: 8-(2-Methylpropanoyl)

Synonym(s): 8-Isobutanoylneosolaniol

CAS Registry Number: 111112-48-2

Molecular Formula: C₂₃H₃₂O₉

Molecular Weight: 452.5

Accurate Mass: 452.204635

Percentage Composition: C 61.05%; H 7.13%; O 31.82%

Biological Source: Prod. by *Fusarium sporotrichioides*

>>Derivative: 8-Butanoyl

Synonym(s): 8-Butanoylneosolaniol

CAS Registry Number: 98813-18-4