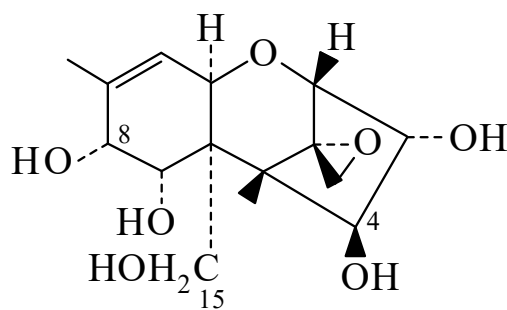




>>Entry Name: 3,4,7,8,15-Scirpenepentol

Synonym(s): 12,13-Epoxy-9-trichothecene-3,4,7,8,15-pentol



Related CAS Registry Numbers(s): 32204-36-7

Molecular Formula: $C_{15}H_{22}O_7$

Molecular Weight: 314.335

Accurate Mass: 314.136555

Percentage Composition: C 57.32%; H 7.05%; O 35.63%

>>Variant: (3 α ,4 β ,7 α ,8 α)-form

Molecular Formula: $C_{15}H_{22}O_7$

Molecular Weight: 314.335

Accurate Mass: 314.136555

Percentage Composition: C 57.32%; H 7.05%; O 35.63%

>>Derivative: 4,15-Di-Ac

CAS Registry Number: 25861-69-2

Molecular Formula: $C_{19}H_{26}O_9$

Molecular Weight: 398.409

Accurate Mass: 398.157685

Percentage Composition: C 57.28%; H 6.58%; O 36.14%

Biological Source: Metab. of *Fusarium* spp.

Physical Description: Cryst.

Melting Point: Mp 167-169°

>>Derivative: 4,8,15-Tri-Ac

CAS Registry Number: 25996-26-3

Molecular Formula: $C_{21}H_{28}O_{10}$

Molecular Weight: 440.446

Accurate Mass: 440.16825

Percentage Composition: C 57.27%; H 6.41%; O 36.33%

Biological Source: Metab. of *Fusarium equiseti*

Physical Description: Cryst.

Melting Point: Mp 185-188°

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ipr) 1.2 mg/kg

>>Derivative: 8-O-(3-Hydroxy-3-methylbutanoyl), 15-Ac

Synonym(s): TC6 Toxin

CAS Registry Number: 91860-55-8

Molecular Formula: $C_{22}H_{32}O_{10}$

Molecular Weight: 456.489

Accurate Mass: 456.19955

Percentage Composition: C 57.89%; H 7.07%; O 35.05%

Biological Source: Prod. of metab. of T2 Toxin [KCX59-A](#)

>>Derivative: 8-Ketone

Synonym(s): 3,12,13-Epoxy-3,4,7,15-tetrahydroxy-9-trichothecen-8-one, 9Cl. 3,4,7,15-Tetrahydroxy-8-scirpenone. **Nivalenone**. Nivalenol

CAS Registry Number: 23282-20-4

Biological Source: Toxic principle from *Fusarium nivale*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 223-225°

Optical Rotation: [α]