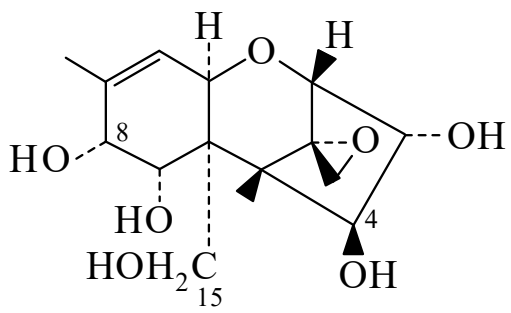
>>**Entry Name: 3,4,7,8,15-Scirpenepentol**
Synonym(s): 12,13-Epoxy-9-trichothecene-3,4,7,8,15-pentol



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:** (3α,4β,7α,8α)-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 : LD_{50} (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, 9CI. 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]