



Accurate Mass: 705.393559
Percentage Composition: C 57.86%; H 8.42%; N 1.98%; O 31.73%
Biological Source: From *Fusarium moniliforme*
Solubility: BERDY SOL: Sol. MeOH, H₂O

>>**Derivative:** 5-Deoxy, 2-de(acetylamino), 2-(3-hydroxy-1-pyridinyl)
Synonym(s): Fumonisin FP₃

CAS Registry Number: 182063-60-1

Molecular Formula: C₃₉H₆₂NO₁₅⁽⁺⁾
Molecular Weight: 784.917
Accurate Mass: 784.411949
Percentage Composition: C 59.68%; H 7.96%; N 1.78%; O 30.58%
Biological Source: Prod. by *Fusarium moniliforme*
Physical Description: Solid
UV: [acid] λ_{max} 288 (ε 1324) (0.1M HCl) [acid] λ_{max} 288 (ε 1324) (HCl) (Berdy) [base] λ_{max} 322 (ε 1183) (NaOH) (Berdy)

>>**Derivative:** 10-Deoxy
Synonym(s): Fumonisin A₂

CAS Registry Number: 117415-47-1

Molecular Formula: C₃₆H₆₁NO₁₅
Molecular Weight: 747.876
Accurate Mass: 747.404124
Percentage Composition: C 57.82%; H 8.22%; N 1.87%; O 32.09%
Biological Source: From *Fusarium moniliforme*
Solubility: BERDY SOL: Sol. MeOH, H₂O; poorly sol. CHCl₃, hexane
UV: [neutral] λ_{max} 0 (end) (ε) (MeOH) (Derep)

>>**Derivative:** 10-Deoxy, N²-de-Ac
Synonym(s): Fumonisin B₂

CAS Registry Number: 116355-84-1

Molecular Formula: C₃₄H₅₉NO₁₄
Molecular Weight: 705.838
Accurate Mass: 705.393559
Percentage Composition: C 57.86%; H 8.42%; N 1.98%; O 31.73%
Biological Source: From *Fusarium moniliforme*
Solubility: BERDY SOL: Sol. MeOH, H₂O; poorly sol. CHCl₃, hexane
UV: [neutral] λ_{max} 0 (end) (ε) (MeOH) (Derep)

Sigma: F9270

>>**Derivative:** 10-Deoxy, 2-de(acetylamino), 2-(3-hydroxy-1-pyridinyl)
Synonym(s): Fumonisin FP₂

CAS Registry Number: 182063-59-8

Molecular Formula: C₃₉H₆₂NO₁₅⁽⁺⁾
Molecular Weight: 784.917
Accurate Mass: 784.411949
Percentage Composition: C 59.68%; H 7.96%; N 1.78%; O 30.58%
Biological Source: Prod. by *Fusarium moniliforme*
Physical Description: Solid
UV: [acid] λ_{max} 288 (ε 1370) (0.1M HCl) [acid] λ_{max} 288 (ε 1370) (HCl) (Berdy) [base] λ_{max} 320 (ε 1191) (NaOH) (Berdy)

>>**Derivative:** 4*R*-Hydroxy, 5-deoxy, N²-de-Ac
Synonym(s): Isofumonisin B₁

CAS Registry Number: 203259-29-4

Molecular Formula: C₃₄H₅₉NO₁₅
Molecular Weight: 721.838
Accurate Mass: 721.388474
Percentage Composition: C 56.57%; H 8.24%; N 1.94%; O 33.25%
Biological Source: From *Fusarium moniliforme*