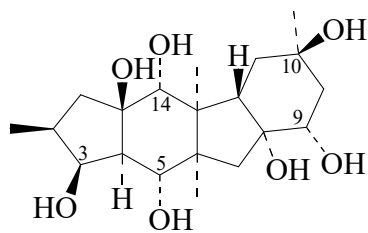




>>Entry Name: 3,5,8,9,10,14,15-Pepluaneheptol



Molecular Formula: C₂₀H₃₄O₇

Molecular Weight: 386.484

Accurate Mass: 386.230455

Percentage Composition: C 62.16%; H 8.87%; O 28.98%

>>Variant: (3β,5α,8α,9α,10β,14α,15β)-form

CAS Registry Number: 219916-76-4

Molecular Formula: C₂₀H₃₄O₇

Molecular Weight: 386.484

Accurate Mass: 386.230455

Percentage Composition: C 62.16%; H 8.87%; O 28.98%

Physical Description: Cryst. (Et₂O/hexane)

Melting Point: Mp 225°

Optical Rotation: [α]_D²⁵+5 (c, 0.06 in CHCl₃)

UV: [neutral] λ_{max} 230 (ε 13040); 272 (ε 1210); 280 (ε 1070) (MeOH)

>>Derivative: 3-Benzoyl, 5,8,9,14-tetra-Ac

CAS Registry Number: 219916-77-5

Molecular Formula: C₃₅H₄₆O₁₂

Molecular Weight: 658.741

Accurate Mass: 658.29893

Percentage Composition: C 63.82%; H 7.04%; O 29.15%

Biological Source: Constit. of *Euphorbia peplus*

Physical Description: Needles (Et₂O)

Melting Point: Mp 238-240°

Optical Rotation: [α]_D²⁵+40 (c, 0.2 in CHCl₃)

UV: [neutral] λ_{max} 229 (ε 13200); 274 (ε 975); 282 (ε 766) (MeOH)

>>Derivative: 3-Benzoyl, 5,8,9,10,14-penta-Ac

CAS Registry Number: 210108-91-1

Molecular Formula: C₃₇H₄₈O₁₃

Molecular Weight: 700.778

Accurate Mass: 700.309495

Percentage Composition: C 63.42%; H 6.90%; O 29.68%

Biological Source: Constit. of *Euphorbia peplus*

References:

Jakupovic, J. *et al.*, *Phytochemistry*, 1998, **47**, 1601-1609, (*isol*, *pmr*, *cmr*)

Hohmann, J. *et al.*, *J. Nat. Prod.*, 1999, **62**, 107-109, (*isol*, *pmr*, *cmr*, *cryst struct*)