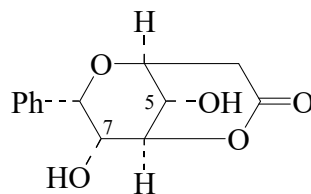




>>Entry Name: Goniopyrhone

Synonym(s): 3,7-Anhydro-2-deoxy-7-C-phenyl-D-*gulo*-heptonic acid γ -lactone, 9CI



CAS Registry Number: 129578-07-0

Related CAS Registry Numbers(s): 159811-26-4

Molecular Formula: C₁₃H₁₄O₅

Molecular Weight: 250.251

Accurate Mass: 250.084125

Percentage Composition: C 62.39%; H 5.64%; O 31.97%

Biological Source: Constit. of *Goniiothalamus giganteus* (Annonaceae)

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 182-184°

Optical Rotation: $[\alpha]_{\text{D}}^{22} +54$ (c, 0.4 in EtOH)

UV: [neutral] λ_{max} 210 (ϵ 5500) (EtOH) (Derep) [neutral] λ_{max} 208 (ϵ 2300) (MeOH) (Berdy)

>>Derivative: 5-Ac

Synonym(s): 5-Acetylgoniopyrhone

CAS Registry Number: 239104-06-4

Molecular Formula: C₁₅H₁₆O₆

Molecular Weight: 292.288

Accurate Mass: 292.09469

Percentage Composition: C 61.64%; H 5.52%; O 32.84%

Biological Source: Constit. of the rhizomes of *Goniiothalamus griffithii*

>>Derivative: 7-Ac

Synonym(s): 7-Acetylgoniopyrhone

CAS Registry Number: 239104-05-3

Molecular Formula: C₁₅H₁₆O₆

Molecular Weight: 292.288

Accurate Mass: 292.09469

Percentage Composition: C 61.64%; H 5.52%; O 32.84%

Biological Source: Constit. of the rhizomes of *Goniiothalamus griffithii*

>>Derivative: 5-Deoxy

Synonym(s): 5-Deoxygoniopyrhone. 9-Deoxygoniopyrhone

CAS Registry Number: 136685-37-5

Molecular Formula: C₁₃H₁₄O₄

Molecular Weight: 234.251

Accurate Mass: 234.08921

Percentage Composition: C 66.66%; H 6.02%; O 27.32%

Biological Source: Constit. of *Goniiothalamus giganteus*

Physical Description: Needles (EtOAc/hexane)

Melting Point: Mp 203-204°

Optical Rotation: $[\alpha]_{\text{D}}^{22} +12$ (c, 0.1 in EtOH)

UV: [neutral] λ_{max} 212 (ϵ 5450) (EtOH) (Berdy)