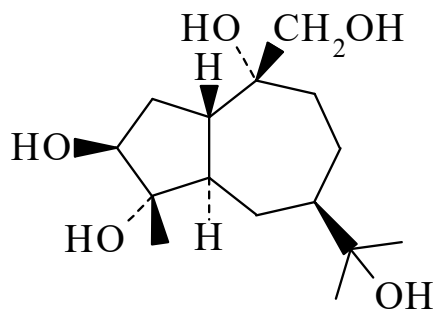




>>Entry Name: 3,4,10,11,14-Guaianepentol



Molecular Formula: C₁₅H₂₈O₅

Molecular Weight: 288.383

Accurate Mass: 288.193675

Percentage Composition: C 62.47%; H 9.79%; O 27.74%

>>Variant: (1β,3β,4α,5α,10α)-form

Molecular Formula: C₁₅H₂₈O₅

Molecular Weight: 288.383

Accurate Mass: 288.193675

Percentage Composition: C 62.47%; H 9.79%; O 27.74%

>>Derivative: 11-*O*-β-D-Glucopyranoside

Synonym(s): Atractyloside B

CAS Registry Number: 126054-78-2

Biological Source: Constit. of *Atractylodes lancea*

Physical Description: Powder

Optical Rotation: $[\alpha]_D^{27} -7.8$ (c, 1 in MeOH)

>>Derivative: 2-Ketone, 11-*O*-β-D-glucopyranoside

Synonym(s): Atractyloside A

CAS Registry Number: 126054-77-1

Molecular Formula: C₂₁H₃₆O₁₀

Molecular Weight: 448.509

Accurate Mass: 448.23085

Percentage Composition: C 56.24%; H 8.09%; O 35.67%

Biological Source: Constit. of *Atractylodes lancea*

Physical Description: Needles

Melting Point: Mp 227-230°

Optical Rotation: $[\alpha]_D^{27} +20$ (c, 0.52 in MeOH aq.)

References:

Yahara, S. *et al.*, *Chem. Pharm. Bull.*, 1989, **37**, 2995, (*isol, pmr, cmr, cryst struct*)