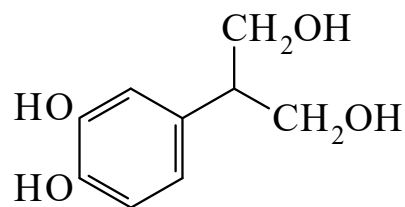




>>Entry Name: 2-(3,4-Dihydroxyphenyl)-1,3-propanediol



Molecular Formula: C₉H₁₂O₄

Molecular Weight: 184.191

Accurate Mass: 184.07356

Percentage Composition: C 58.69%; H 6.57%; O 34.75%

>>Derivative: 3'-Me ether

Synonym(s): 2-(4-Hydroxy-3-methoxyphenyl)-1,3-propanediol. **Junipediol A**

CAS Registry Number: 86548-91-6

Type of Compound Code(s): VG0010 VG0060

Molecular Formula: C₁₀H₁₄O₄

Molecular Weight: 198.218

Accurate Mass: 198.08921

Percentage Composition: C 60.59%; H 7.12%; O 32.29%

Biological Source: Constit. of *Apollonias barbujana* and *Juniperus phoenicea*

Physical Description: Syrupy oil

UV: [neutral] λ_{max} 227 (); 277 () (MeOH)

>>Derivative: 3'-Me ether, 1-*O*-β-D-glucopyranoside

Synonym(s): Junipediol A 8-glucoside

CAS Registry Number: 188894-18-0

Type of Compound Code(s): VG0060 VG0010

Molecular Formula: C₁₆H₂₄O₉

Molecular Weight: 360.36

Accurate Mass: 360.142035

Percentage Composition: C 53.33%; H 6.71%; O 39.96%

Biological Source: Constit. of *Juniperus phoenicea*

UV: [neutral] λ_{max} 227 (); 277 () (MeOH)

>>Derivative: 3',4'-Methylene ether

Synonym(s): 2-(3,4-Methylenedioxyphenyl)-1,3-propanediol. **Junipediol B**

CAS Registry Number: 144881-19-6

Type of Compound Code(s): VG0010

Molecular Formula: C₁₀H₁₂O₄

Molecular Weight: 196.202

Accurate Mass: 196.07356

Percentage Composition: C 61.22%; H 6.16%; O 32.62%

Biological Source: Constit. of the leaves of *Juniperus chinensis* and *Taxus wallichiana*

Physical Description: Oily solid

>>Derivative: 3',4'-Methylene ether, 1-*O*-β-D-glucopyranoside

Synonym(s): Junipediol B 8-glucoside

CAS Registry Number: 188894-19-1

Type of Compound Code(s): VG0010 VG0060

Molecular Formula: C₁₆H₂₂O₉

Molecular Weight: 358.344

Accurate Mass: 358.126385

Percentage Composition: C 53.63%; H 6.19%; O 40.18%

Biological Source: Constit. of *Juniperus phoenicea*

UV: [neutral] λ_{max} 232 (); 284 () (MeOH)

References:

- Fang, J.-M. *et al.*, *Phytochemistry*, 1992, **31**, 3659, (*Junipediol B*)
Perez, C. *et al.*, *Planta Med.*, 1995, **61**, 535, (*3'-Me*, *pmr*, *cmr*, *ms*)
Comte, G. *et al.*, *Phytochemistry*, 1997, **44**, 1169-1173, (*isol*, *uv*, *pmr*, *cmr*, *ms*)
Chattopadhyay, S.K. *et al.*, *Indian J. Chem., Sect. B*, 1999, **38**, 246-247, (*Junipediol B*)