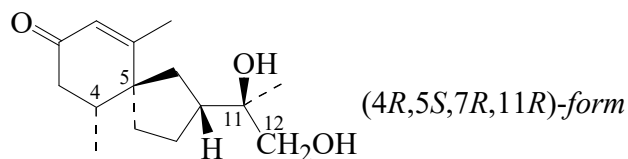




>>Entry Name: 11,12-Dihydroxy-1(10)-spirovetiven-2-one

Synonym(s): 2-(1,2-Dihydroxy-1-methylethyl)-6,10-dimethylspiro[4.5]dec-6-en-8-one, 9CI



CAS Registry Number: 62574-30-5

Related CAS Registry Numbers(s): 62623-86-3 62623-87-4 65634-25-5 76648-57-2

Type of Compound Code(s): VS3700

Molecular Formula: C₁₅H₂₄O₃

Molecular Weight: 252.353

Accurate Mass: 252.172545

Percentage Composition: C 71.39%; H 9.59%; O 19.02%

>>Variant: (4R,5S,7R,11R)-form

Type of Compound Code(s): VS3700

Molecular Formula: C₁₅H₂₄O₃

Molecular Weight: 252.353

Accurate Mass: 252.172545

Percentage Composition: C 71.39%; H 9.59%; O 19.02%

Biological Source: Constit. of potato tubers infected with *Phoma foveata* and *Fusarium* spp.

Optical Rotation: [α]_D −72 (c, 0.4 in MeOH)

UV: [neutral] λ_{max} 242 () (MeOH)

>>Variant: (4R,5S,7R,11S)-form

Type of Compound Code(s): VS3700

Molecular Formula: C₁₅H₂₄O₃

Molecular Weight: 252.353

Accurate Mass: 252.172545

Percentage Composition: C 71.39%; H 9.59%; O 19.02%

Biological Source: Constit. of potato tubers infected with *Phoma foveata* and *Fusarium* spp.

Optical Rotation: [α]_D −120 (c, 0.9 in MeOH)

UV: [neutral] λ_{max} 242 () (MeOH)

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

Type of Compound Code(s): VS3700

Molecular Formula: C₂₁H₃₄O₈

Molecular Weight: 414.495

Accurate Mass: 414.22537

Percentage Composition: C 60.85%; H 8.27%; O 30.88%

Biological Source: Constit. of potato tubers infected with *Phoma foveata* and *Fusarium* spp.

Optical Rotation: [α]_D −84 (c, 0.5 in MeOH)

UV: [neutral] λ_{max} 242 () (MeOH)

>>Variant: (4R,5S,7R,11ξ)-form

Type of Compound Code(s): VS3700

Molecular Formula: C₁₅H₂₄O₃

Molecular Weight: 252.353

Accurate Mass: 252.172545

Percentage Composition: C 71.39%; H 9.59%; O 19.02%

Biological Source: Constit. of tobacco and potatoes infected with *Phoma exigua*

Physical Description: Amorph.

Optical Rotation: [α]_D²³ −55 (c, 0.1 in EtOH)

UV: [neutral] λ_{max} 242 () (EtOH)