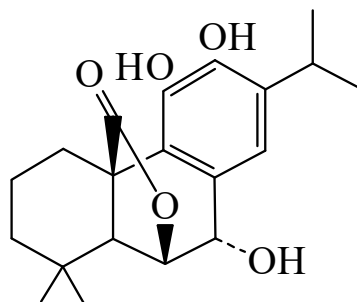




>>Entry Name: Rosmanol

ENTRY UNDER REVIEW

Synonym(s): 7,11,12-Trihydroxy-8,11,13-abietatrien-20,6-olide



CAS Registry Number: 80225-53-2

Molecular Formula: C₂₀H₂₆O₅

Molecular Weight: 346.422

Accurate Mass: 346.178025

Percentage Composition: C 69.34%; H 7.56%; O 23.09%

Biological Source: Isol. from rosemary leaves (*Rosmarinus officinalis*)

Use/Importance: Antioxidant

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 241°

Optical Rotation: $[\alpha]_D^{18} -34.3$ (c, 0.7 in EtOH)

>>Derivative: 7-Me ether

Synonym(s): 7-Methylrosmanol. 7-Methoxyrosmanol

CAS Registry Number: 113085-62-4

Molecular Formula: C₂₁H₂₈O₅

Molecular Weight: 360.449

Accurate Mass: 360.193675

Percentage Composition: C 69.98%; H 7.83%; O 22.19%

Biological Source: From aerial parts of rosemary (*Rosmarinus officinalis*)

Physical Description: Pale brown powder

Optical Rotation: $[\alpha]_D^{23} -99.2$ (c, 0.5 in EtOH)

>>Derivative: 7-Et ether

Synonym(s): 7-Ethylrosmanol. 7-Ethoxyrosmanol

CAS Registry Number: 111200-01-2

Molecular Formula: C₂₂H₃₀O₅

Molecular Weight: 374.476

Accurate Mass: 374.209325

Percentage Composition: C 70.56%; H 8.07%; O 21.36%

Biological Source: Constit. of *Salvia canariensis*

Physical Description: Gum

>>Derivative: 11,12-Di-Me ether

Molecular Formula: C₂₂H₃₀O₅

Molecular Weight: 374.476

Accurate Mass: 374.209325

Percentage Composition: C 70.56%; H 8.07%; O 21.36%

Biological Source: Constit. of *Salvia columbariae*

Physical Description: Light yellow cryst. (MeOH)

Melting Point: Mp 225-228°