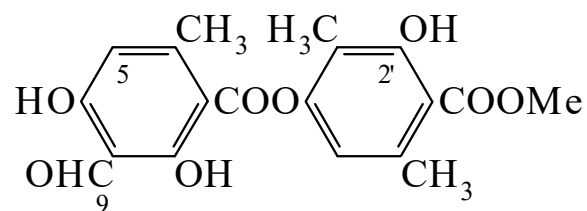




>>Entry Name: Atranorin

Synonym(s): 3-Formyl-2,4-dihydroxy-6-methylbenzoic acid 3-hydroxy-4-(methoxycarbonyl)-2,5-dimethylphenyl ester, 9Cl. Atranoric acid. Parmelin



CAS Registry Number: 479-20-9

Molecular Formula: C₁₉H₁₈O₈

Molecular Weight: 374.346

Accurate Mass: 374.10017

Percentage Composition: C 60.96%; H 4.85%; O 34.19%

Biological Source: Constit. of lichens

Physical Description: Prisms (CHCl₃)

Melting Point: Mp 196-197° (187-188°)

Solubility: BERDY SOL: Sol. MeOH, bases, CHCl₃; fairly sol. Me₂CO, Et₂O; poorly sol. H₂O

UV: [neutral] λ_{max} 250 (); 263 () (MeOH) (Berdy)

Rare Chemicals Library: S40654-6

Sigma: A6652

>>Derivative: 2'-Me ether

Synonym(s): 2'-*O*-Methylatranorin

Molecular Formula: C₂₀H₂₀O₈

Molecular Weight: 388.373

Accurate Mass: 388.11582

Percentage Composition: C 61.85%; H 5.19%; O 32.96%

Biological Source: Isol. from the lichen *Oropogon loxensis*

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 147.5°

>>Derivative: Tri-Me ether

Physical Description: Prisms (MeOH)

Melting Point: Mp 123°

>>Derivative: 5-Chloro

Synonym(s): Chloroatranorin. Chloratranorin

CAS Registry Number: 479-16-3

Molecular Formula: C₁₉H₁₇ClO₈

Molecular Weight: 408.791

Accurate Mass: 408.061197

Percentage Composition: C 55.83%; H 4.19%; Cl 8.67%; O 31.31%

Biological Source: Prod. by *Parmelia*, *Evernia*, *Anaptychia*, *Lecanora* spp. and other lichens

Physical Description: Needles (Me₂CO), prisms (dioxan)

Melting Point: Mp 208°

>>Derivative: 9-Alcohol

Synonym(s): Methyl 9-hydroxy-4-*O*-demethylbarbatate. Methyl 3^α-hydroxy-4-*O*-demethylbarbatate

CAS Registry Number: 69168-12-3

Molecular Formula: C₁₉H₂₀O₈

Molecular Weight: 376.362

Accurate Mass: 376.11582

Percentage Composition: C 60.64%; H 5.36%; O 34.01%

Biological Source: Lichen acid

Physical Description: Cryst. (Me₂CO)

Other Data: Indistinct Mp. up to 190° with dec. and subl.