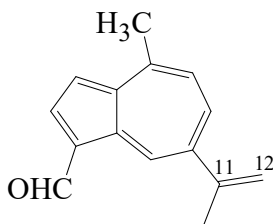




>>Entry Name: 4-Methyl-7-(1-methylethenyl)-1-azulenecarboxaldehyde

ENTRY UNDER REVIEW

Synonym(s): 7-Isopropenyl-4-methyl-1-azulenecarboxaldehyde. 1-Formyl-7-isopropenyl-4-methylazulene. 1,3,5,7,9,11-Guaiahexaen-15-al. **Lactaroviolin**. Delicial



CAS Registry Number: 85-33-6

Molecular Formula: C₁₅H₁₄O

Molecular Weight: 210.275

Accurate Mass: 210.104465

Percentage Composition: C 85.68%; H 6.71%; O 7.61%

Biological Source: Constit. of *Lactarius deliciosus*

Use/Importance: Antibiotic active principally against *Mycobacterium tuberculosis*

Physical Description: Violet-red cryst. (petrol)

Melting Point: Mp 58°

Solubility: BERDY SOL: Sol. MeOH, Et₂O; fairly sol. hexane; poorly sol. H₂O

UV: [neutral] λ_{max} 242 (ε 33900); 315 (ε 30900); 398 (ε 12600); 527 (ε 912) (EtOH) (Berdy)

>>Derivative: 15-Alcohol

Synonym(s): 4-Methyl-7-(1-methylethenyl)-1-azulenemethanol, 9Cl. **Deterrol**

CAS Registry Number: 113393-59-2

Molecular Formula: C₁₅H₁₆O

Molecular Weight: 212.291

Accurate Mass: 212.120115

Percentage Composition: C 84.87%; H 7.60%; O 7.54%

Biological Source: Isol. from the mushroom *Lactarius deterrimus*

Physical Description: Deep blue needles

Melting Point: Mp 100-101°

UV: [neutral] λ_{max} 239 (ε 21900); 290 (ε 46800); 370 (ε 7600) (EtOH)

>>Derivative: 15-Alcohol, octadecanoyl

Synonym(s): Deterrol stearate

CAS Registry Number: 52898-98-3

Molecular Formula: C₃₃H₅₀O₂

Molecular Weight: 478.757

Accurate Mass: 478.38108

Percentage Composition: C 82.79%; H 10.53%; O 6.68%

Biological Source: Prod. by *Lactarius* spp.

Hazard & Toxicity: Mutagenic

>>Derivative: 11,12-Dihydro

Synonym(s): **11,12-Dihydrolactaroviolin**. 1-Formyl-7-isopropyl-4-methylazulene

CAS Registry Number: 24687-70-5

Molecular Formula: C₁₅H₁₆O

Molecular Weight: 212.291

Accurate Mass: 212.120115

Percentage Composition: C 84.87%; H 7.60%; O 7.54%

Biological Source: Constit. of *Lactarius deterrimus*

Physical Description: Cryst.

Melting Point: Mp 59-60°

References: