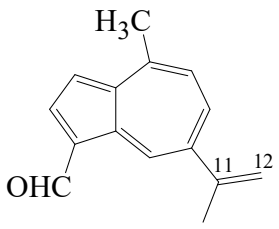
>>**Entry Name: 4-Methyl-7-(1-methylethenyl)-1-azulenecarboxaldehyde**
**ENTRY UNDER REVIEW**
**Synonym(s):** 7-Isopropenyl-4-methyl-1-azulenecarboxaldehyde. 1-Formyl-7-isopropenyl-4-methylazulene. 1,3,5,7,9,11-Guaiahexaen-15-al. **Lactaroviolin.** Delicial




**CAS Registry Number:** 85-33-6

**Molecular Formula:** $C_{15}H_{14}O$
**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, $Et_2O$; fairly sol. hexane; poorly sol. $H_2O$
**UV:** [neutral] $\lambda_{max}$ 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:** $C_{15}H_{16}O$
**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] $\lambda_{max}$ 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:** $C_{33}H_{50}O_2$
**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:** $C_{15}H_{16}O$
**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:**