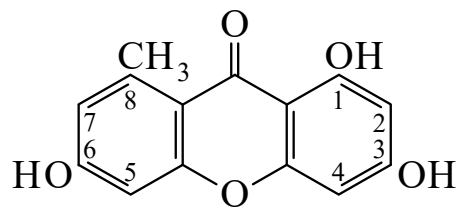




>>Entry Name: **1,3,6-Trihydroxy-8-methylxanthone**

Synonym(s): 1,3,6-Trihydroxy-8-methyl-9*H*-xanthen-9-one, 9Cl. **Norlichexanthone**



CAS Registry Number: 20716-98-7

Molecular Formula: C₁₄H₁₀O₅

Molecular Weight: 258.23

Accurate Mass: 258.052825

Percentage Composition: C 65.12%; H 3.90%; O 30.98%

Biological Source: Isol. from lichen *Lecanora reuteri* and *Penicillium patulum*

Biological Use/Importance: Active against *Clostridium welchii*

Physical Description: Yellow prisms (EtOH aq. or Et₂O)

Melting Point: Mp 285-290° (274-275°)

UV: [neutral] λ_{max} 241 (ε 36500); 311 (ε 22500) (EtOH) (Berdy)

>>Derivative: 1-Me ether

Synonym(s): 3,6-Dihydroxy-1-methoxy-8-methylxanthone. **Antibiotic F 483A**. F 483A

CAS Registry Number: 176204-30-1

Molecular Formula: C₁₅H₁₂O₅

Molecular Weight: 272.257

Accurate Mass: 272.068475

Percentage Composition: C 66.17%; H 4.44%; O 29.38%

Biological Source: Prod. by a *Penicillium* sp.

Biological Use/Importance: Antitumour agent

UV: [neutral] λ_{max} 239 (); 312 () (MeOH) (Berdy)

>>Derivative: 3-Me ether

Synonym(s): 1,6-Dihydroxy-3-methoxy-8-methylxanthone. **Griseoxanthone C**

CAS Registry Number: 3569-83-3

Molecular Formula: C₁₅H₁₂O₅

Molecular Weight: 272.257

Accurate Mass: 272.068475

Percentage Composition: C 66.17%; H 4.44%; O 29.38%

Biological Source: Metab. of *Penicillium patulum* and *Aspergillus versicolor*

Use/Importance: Intermed. in biosynth. of Griseofulvin

Physical Description: Pale yellow needles (EtOAc/petrol)

Melting Point: Mp 257-258° (253-255°)

>>Derivative: 6-Me ether

Synonym(s): 1,3-Dihydroxy-6-methoxy-8-methylxanthone. **6-O-Methylnorlichexanthone**

CAS Registry Number: 22938-77-8

Molecular Formula: C₁₅H₁₂O₅

Molecular Weight: 272.257

Accurate Mass: 272.068475

Percentage Composition: C 66.17%; H 4.44%; O 29.38%

Biological Source: Isol. from lichens

Physical Description: Yellow cryst. (Py)

Melting Point: Mp 260-263°

>>Derivative: 6-Me ether, di-Ac

Molecular Formula: C₁₉H₁₆O₇

Molecular Weight: 356.331

Accurate Mass: 356.089605

Percentage Composition: C 64.04%; H 4.53%; O 31.43%

Melting Point: Mp 196-197°