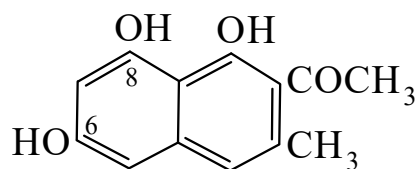




>>Entry Name: 2-Acetyl-1,6,8-trihydroxy-3-methylnaphthalene

Synonym(s): 1-(1,6,8-Trihydroxy-3-methyl-2-naphthalenyl)ethanone, 9Cl. 1',6',8'-Trihydroxy-3'-methyl-2'-acetonephthone, 8Cl. 6-Hydroxymusizin



CAS Registry Number: 23520-25-4

Molecular Formula: C₁₃H₁₂O₄

Molecular Weight: 232.235

Accurate Mass: 232.07356

Percentage Composition: C 67.23%; H 5.21%; O 27.56%

>>Derivative: 8-O-β-D-Glucopyranoside

CAS Registry Number: 23566-96-3

Molecular Formula: C₁₉H₂₂O₉

Molecular Weight: 394.377

Accurate Mass: 394.126385

Percentage Composition: C 57.87%; H 5.62%; O 36.51%

Biological Source: Isol. from the aphid *Aphis nerii*, pods of *Cassia senna* and rhubarb Rhei rhizoma

Physical Description: Needles (EtOAc)

Melting Point: Mp 214-215° (207°)

>>Derivative: 6-Me ether

Synonym(s): 2-Acetyl-1,8-dihydroxy-6-methoxy-3-methylnaphthalene. **Torachrysone**. Nakahalene

CAS Registry Number: 22649-04-3

Molecular Formula: C₁₄H₁₄O₄

Molecular Weight: 246.262

Accurate Mass: 246.08921

Percentage Composition: C 68.28%; H 5.73%; O 25.99%

Biological Source: Isol. from seeds of *Cassia tora* and from root bark of *Rhamnus nakaharai*

Physical Description: Yellow needles (C₆H₆)

Melting Point: Mp 214-215 dec.° (207-208°)

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

CAS Registry Number: 22649-05-4

Molecular Formula: C₁₈H₁₈O₆

Molecular Weight: 330.337

Accurate Mass: 330.11034

Percentage Composition: C 65.45%; H 5.49%; O 29.06%

Physical Description: Plates (EtOH)

Melting Point: Mp 181-182°

>>Derivative: 6-Me ether, 8-O-β-D-glucopyranoside

Synonym(s): **Torachrysone 8-glucoside**

CAS Registry Number: 64032-49-1

Molecular Formula: C₂₀H₂₄O₉

Molecular Weight: 408.404

Accurate Mass: 408.142035

Percentage Composition: C 58.82%; H 5.92%; O 35.26%

Biological Source: Isol. from Rhei rhizoma

Physical Description: Needles + 1H₂O (MeOH)

Melting Point: Mp 150-152°

Optical Rotation: [α]_D²¹ -109 (c, 0.5 in MeOH)