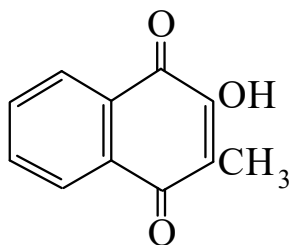




>>Entry Name: 2-Hydroxy-3-methyl-1,4-naphthoquinone

Synonym(s): 2-Hydroxy-3-methyl-1,4-naphthalenedione, 9Cl. Phthiocol



CAS Registry Number: 483-55-6

Molecular Formula: C₁₁H₈O₃

Molecular Weight: 188.182

Accurate Mass: 188.047345

Percentage Composition: C 70.21%; H 4.28%; O 25.51%

Biological Source: Pigment of human tubercle bacillus. Also isol. from *Streptococcus faecalis* and *Asplenium laciniatum*

Physical Description: Yellow needles (hexane)

Melting Point: Mp 173-174°

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

Rare Chemicals Library: S97084-0

>>Derivative: Ac

CAS Registry Number: 6091-04-9

Molecular Formula: C₁₃H₁₀O₄

Molecular Weight: 230.22

Accurate Mass: 230.05791

Percentage Composition: C 67.82%; H 4.38%; O 27.80%

Physical Description: Pale-yellow needles (MeOH)

Melting Point: Mp 106°

>>Derivative: Thiosemicarbazone

Physical Description: Reddish-orange needles (EtOH aq.), prisms (MeOH)

Melting Point: Mp 179-180°

>>Derivative: Monoxime

CAS Registry Number: 35796-36-2

Extra CAS Registry Numbers(s): 80690-05-7

Molecular Formula: C₁₁H₉NO₃

Molecular Weight: 203.197

Accurate Mass: 203.058244

Percentage Composition: C 65.02%; H 4.46%; N 6.89%; O 23.62%

Use/Importance: Used as a 0.01M soln. in EtOH for photometric detn. of Ni ($\lambda_{\max}$ 510 nm, ϵ 22000)

Physical Description: Cryst. (EtOH)

Melting Point: Mp 200-201°

Solubility: Sol. EtOH

References:

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