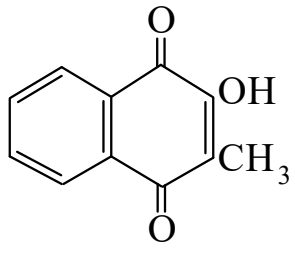
>>**Entry Name: 2-Hydroxy-3-methyl-1,4-naphthoquinone**
Synonym(s): 2-Hydroxy-3-methyl-1,4-naphthalenedione, 9Cl. **Phthiocol**



CAS Registry Number: 483-55-6

Molecular Formula: $C_{11}H_8O_3$
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, Et_2O; poorly sol. hexane, H_2O

Rare Chemicals Library: S97084-0

>>**Derivative:** Ac

CAS Registry Number: 6091-04-9
Molecular Formula: $C_{13}H_{10}O_4$
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: $C_{11}H_9NO_3$
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 0.01*M* soln. in EtOH for photometric detn. of Ni (λ_{max} 510 nm, ε 22000)
Physical Description: Cryst. (EtOH)
Melting Point: Mp 200-201°
Solubility: Sol. EtOH

References:

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