



>>Entry Name: **2,6-Dimethyl-1,4-benzoquinone**

Synonym(s): 2,6-Dimethyl-2,5-cyclohexadiene-1,4-dione, 9CI. *m*-Xylo-*p*-quinone

CAS Registry Number: 527-61-7

Structure by analogy with 2,3-Dimethyl-1,4-benzoquinone, [DZW31-N](#)

Molecular Formula: C₈H₈O₂

Molecular Weight: 136.15

Accurate Mass: 136.05243

Percentage Composition: C 70.58%; H 5.92%; O 23.50%

Physical Description: Yellow needles

Melting Point: Mp 72-73°

Other Data: Sublimes

Aldrich: D14970-5

>>Derivative: 1-Oxime

CAS Registry Number: 13432-71-8

Molecular Formula: C₈H₉NO₂

Molecular Weight: 151.165

Accurate Mass: 151.063329

Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%

Physical Description: Yellow prisms (EtOH aq.)

Melting Point: Mp 175°

>>Derivative: 4-Oxime

CAS Registry Number: 4965-29-1

Molecular Formula: C₈H₉NO₂

Molecular Weight: 151.165

Accurate Mass: 151.063329

Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%

Physical Description: Yellow prisms (C₆H₆)

Melting Point: Mp 170-171°

References:

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Flaig, W. *et al.*, *Annalen*, 1958, **618**, 117, (*uv*)
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Norris, R.K. *et al.*, *Aust. J. Chem.*, 1966, **19**, 617, (*pmr*)
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