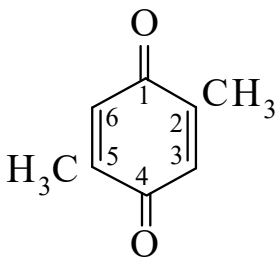




>>Entry Name: 2,5-Dimethyl-1,4-benzoquinone

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



CAS Registry Number: 137-18-8

Type of Compound Code(s): VG0300

Molecular Formula: C₈H₈O₂

Molecular Weight: 136.15

Accurate Mass: 136.05243

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

Biological Source: Component of arthropod defensive secretions

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 125°

Hazard & Toxicity: LD₅₀ (mus, orl) 290 mg/kg

Fluka: 39579

Rare Chemicals Library: S84398-9

>>Derivative: Monoxime

CAS Registry Number: 2593-53-5

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 needles (H₂O)

Melting Point: Mp 173°

>>Derivative: Monoxime, Me ether

Molecular Formula: C₉H₁₁NO₂

Molecular Weight: 165.191

Accurate Mass: 165.078979

Percentage Composition: C 65.44%; H 6.71%; N 8.48%; O 19.37%

Physical Description: Yellow cryst.

Melting Point: Mp 70.5-71°

>>Derivative: Dioxime

CAS Registry Number: 36164-92-8

Molecular Formula: C₈H₁₀N₂O₂

Molecular Weight: 166.179

Accurate Mass: 166.074228

Percentage Composition: C 57.82%; H 6.07%; N 16.86%; O 19.26%

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 272°

>>Derivative: Dioxime, di-Ac

Molecular Formula: C₁₂H₁₄N₂O₄

Molecular Weight: 250.254

Accurate Mass: 250.095358

Percentage Composition: C 57.59%; H 5.64%; N 11.19%; O 25.57%

Physical Description: Yellow prisms (AcOH)

Melting Point: Mp 170°

References: