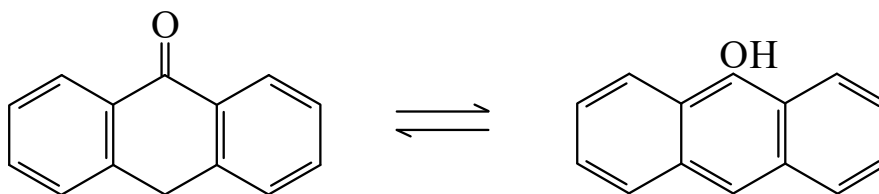




>>Entry Name: Anthrone, 8Cl

Synonym(s): 9(10*H*)-Anthracenone, 9Cl. 9,10-Dihydro-9-oxoanthracene. Carbothrone. 9-Anthracenol. 9-Anthrol, 9Cl. 9-Hydroxyanthracene. Anthranol



CAS Registry Number: 90-44-8

Molecular Formula: C₁₄H₁₀O

Molecular Weight: 194.232

Accurate Mass: 194.073165

Percentage Composition: C 86.57%; H 5.19%; O 8.24%

Aldrich: 31989-9

Fluka: 10740

Sigma: A1172

>>Variant: Oxo-form

Molecular Formula: C₁₄H₁₀O

Molecular Weight: 194.232

Accurate Mass: 194.073165

Percentage Composition: C 86.57%; H 5.19%; O 8.24%

Source/Synthesis: Prod. by reduction of 9,10-Anthraquinone [FQB74-M](#)

Use/Importance: Used for colorimetric detn. of carbohydrates. Intermed. for production of 7*H*-Benz[*de*]anthracen-7-one [FMM96-V](#) used for vat dyes

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 155° (155-158°)

pKa Value: p*K*_a -5.5 (H₂SO₄ aq.)

>>Derivative: Oxime

CAS Registry Number: 92560-84-4

Molecular Formula: C₁₄H₁₁NO

Molecular Weight: 209.247

Accurate Mass: 209.084064

Percentage Composition: C 80.36%; H 5.30%; N 6.69%; O 7.65%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 130°

>>Variant: Enol-form

CAS Registry Number: 529-86-2

Molecular Formula: C₁₄H₁₀O

Molecular Weight: 194.232

Accurate Mass: 194.073165

Percentage Composition: C 86.57%; H 5.19%; O 8.24%

Biological Source: Constit. of *Aloe vera* and *Rheum tataricum*. Component of Lu Hui

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 120° (rapid heat)

Other Data: Easily oxid. to 9,10-Anthraquinone [FQB74-M](#)

>>Derivative: Ac

CAS Registry Number: 1499-12-3

Molecular Formula: C₁₆H₁₂O₂

Molecular Weight: 236.27

Accurate Mass: 236.08373

Percentage Composition: C 81.34%; H 5.12%; O 13.54%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 135.5-137°