



Molecular Formula: C₁₄H₁₃NO₂
Molecular Weight: 227.262
Accurate Mass: 227.094629
Percentage Composition: C 73.99%; H 5.77%; N 6.16%; O 14.08%
Melting Point: Mp 164°
Optical Rotation: [α]_D²⁴+3 (CHCl₃)

>>**Variant:** (±)-form

CAS Registry Number: 579-44-2

Molecular Formula: C₁₄H₁₂O₂
Molecular Weight: 212.248
Accurate Mass: 212.08373
Percentage Composition: C 79.23%; H 5.70%; O 15.08%
Use/Importance: Used in test for S (H₂S with Pb²⁽⁺⁾) and for B (fluorescence). Topical protectant. Photoinitiator in radical polym.
Physical Description: Prisms (EtOH), vanilla taste
Melting Point: Mp 133-134°
Boiling Point: Bp₇₆₈ 344°. Bp₁₂ 194°
Solubility: Insol. H₂O; sol. Me₂CO, hot EtOH
Aldrich: W21320-9
Sigma: B8633

>>**Derivative:** (*E*)-Oxime
Synonym(s): α-Oxime. Cupron

CAS Registry Number: 574-13-0

Use/Importance: Used as 0.2% soln. in CHCl₃ in extraction separation of Mo, W (from conc. HCl media) and of V (pH 2-4); also in pptn. of Cu, Pd, Bi, Au
Physical Description: Light sensitive prisms
Melting Point: Mp 151-152°
Solubility: Sol. EtOH, Et₂O, Me₂CO; insol. H₂O
Hazard & Toxicity: Eye irritant. LD₅₀ (rat, orl) 5960 mg/kg

>>**Derivative:** (*Z*)-Oxime
Synonym(s): β-Oxime

CAS Registry Number: 7110-50-1
Molecular Formula: C₁₄H₁₃NO₂
Molecular Weight: 227.262
Accurate Mass: 227.094629
Percentage Composition: C 73.99%; H 5.77%; N 6.16%; O 14.08%
Physical Description: Prisms
Melting Point: Mp 99°

>>**Derivative:** 2,4-Dinitrophenylhydrazone

CAS Registry Number: 13804-47-2
Physical Description: Orange-yellow cryst.
Melting Point: Mp 234°

>>**Derivative:** Semicarbazone

Physical Description: Prisms
Melting Point: Mp 206 dec.°