



>>Entry Name: Acetamidoxime, 8Cl
Synonym(s): *N*-Hydroxyethanimidamide, 9Cl

CAS Registry Number: 22059-22-9



Molecular Formula: C₂H₆N₂O

Molecular Weight: 74.082

Accurate Mass: 74.048013

Percentage Composition: C 32.43%; H 8.16%; N 37.81%; O 21.60%

Use/Importance: Used in photometric detn. of Ni

Physical Description: Cryst.

Melting Point: Mp 140°

Solubility: Sol. EtOH, H₂O, dioxan

Other Data: Hygroscopic

Hazard & Toxicity: LD₅₀ (rat, scu) 600 mg/kg

>>Derivative: Hydrochloride

CAS Registry Number: 5426-04-0

Physical Description: Cryst.

Melting Point: Mp 140-142°

>>Derivative: *O*-Formyl

Molecular Formula: C₃H₆N₂O₂

Molecular Weight: 102.093

Accurate Mass: 102.042928

Percentage Composition: C 35.29%; H 5.92%; N 27.44%; O 31.34%

Physical Description: Cryst. (hexane)

Melting Point: Mp 29°

>>Derivative: *O*-Ac

Molecular Formula: C₄H₈N₂O₂

Molecular Weight: 116.119

Accurate Mass: 116.058578

Percentage Composition: C 41.37%; H 6.94%; N 24.12%; O 27.56%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 96°