



>>Entry Name: Chloro(hydroxyimino)acetic acid, 9Cl

Synonym(s): Chloroglyoxylic acid 2-oxime, 8Cl. Chlorooximidoacetic acid

CAS Registry Number: 14337-42-9

HON=CCICOOH

Molecular Formula: C₂H₂ClNO₃

Molecular Weight: 123.495

Accurate Mass: 122.972321

Percentage Composition: C 19.45%; H 1.63%; Cl 28.71%; N 11.34%; O 38.87%

Physical Description: Needles (C₆H₆)

Melting Point: Mp 78°. Mp 134-135° (125°)

>>Derivative: Me ester

CAS Registry Number: 30673-27-9

Molecular Formula: C₃H₄ClNO₃

Molecular Weight: 137.522

Accurate Mass: 136.987971

Percentage Composition: C 26.20%; H 2.93%; Cl 25.78%; N 10.19%; O 34.90%

Physical Description: Prisms (Et₂O/pentane)

Melting Point: Mp 61-63°

>>Derivative: Et ester

CAS Registry Number: 14337-43-0

Molecular Formula: C₄H₆ClNO₃

Molecular Weight: 151.549

Accurate Mass: 151.003621

Percentage Composition: C 31.70%; H 3.99%; Cl 23.39%; N 9.24%; O 31.67%

Source/Synthesis: Precursor for Ethoxycarbonylformonitrile oxide [DMN24-H](#) and starting material for isoxazoline derivs.

Physical Description: Cryst. (hexane or petrol)

Melting Point: Mp 80°

>>Derivative: Benzyl ester

CAS Registry Number: 167953-89-1

Molecular Formula: C₉H₈ClNO₃

Molecular Weight: 213.62

Accurate Mass: 213.019271

Percentage Composition: C 50.60%; H 3.77%; Cl 16.60%; N 6.56%; O 22.47%

Physical Description: Cryst. (hexane)

Melting Point: Mp 91-93°

>>Derivative: Amide

Molecular Formula: C₂H₃ClN₂O₂

Molecular Weight: 122.511

Accurate Mass: 121.988305

Percentage Composition: C 19.61%; H 2.47%; Cl 28.94%; N 22.87%; O 26.12%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 166°

>>Derivative: Nitrile

Synonym(s): Chloro(hydroxyimino)acetonitrile. Chlorocyanoformaldoxime

Molecular Formula: C₂HCIN₂O

Molecular Weight: 104.495

Accurate Mass: 103.97774

Percentage Composition: C 22.99%; H 0.96%; Cl 33.93%; N 26.81%; O 15.31%

Physical Description: Prisms (C₆H₆ or petrol)

Melting Point: Mp 55-56°

References: