



Aldrich: O-930-1

Fluka: 75790

>>Derivative: Monoanilide

Synonym(s): Oxanilic acid. Oxo(phenylamino)acetic acid, 9Cl

CAS Registry Number: 500-72-1

Molecular Formula: C₈H₇NO₃

Molecular Weight: 165.148

Accurate Mass: 165.042594

Percentage Composition: C 58.18%; H 4.27%; N 8.48%; O 29.06%

Physical Description: Needles (C₆H₆)

Melting Point: Mp 149-150°

Solubility: Sol. EtOH, Et₂O, CHCl₃; mod. sol. hot H₂O; spar. sol. C₆H₆

Rare Chemicals Library: S50027-5

>>Derivative: Monoanilide-Et ester

Synonym(s): Ethyl oxanilate

CAS Registry Number: 1457-85-8

Molecular Formula: C₁₀H₁₁NO₃

Molecular Weight: 193.202

Accurate Mass: 193.073894

Percentage Composition: C 62.17%; H 5.74%; N 7.25%; O 24.84%

Use/Importance: Reagent for the identification of primary alkyl amines

Physical Description: Cryst. (EtOH)

Melting Point: Mp 66-67°

Aldrich: 17821-7

Rare Chemicals Library: S16781-9

>>Derivative: Dianilide

Synonym(s): Oxanilide. *sym*-Diphenyloxamide. Oxalanilide

CAS Registry Number: 620-81-5

Molecular Formula: C₁₄H₁₂N₂O₂

Molecular Weight: 240.261

Accurate Mass: 240.089878

Percentage Composition: C 69.99%; H 5.03%; N 11.66%; O 13.32%

Physical Description: Leaflets (C₆H₆ or PhNO₂)

Melting Point: Mp 252-254°

Solubility: Sol. C₆H₆; spar. sol. hot EtOH; insol. H₂O, Et₂O

Rare Chemicals Library: S92607-8

>>Derivative: Monohydrazide

CAS Registry Number: 6292-65-5

Molecular Formula: C₂H₄N₂O₃

Molecular Weight: 104.065

Accurate Mass: 104.022193

Percentage Composition: C 23.08%; H 3.87%; N 26.92%; O 46.12%

Melting Point: Mp 300°

>>Derivative: Dihydrazide

CAS Registry Number: 996-98-5

Molecular Formula: C₂H₆N₄O₂

Molecular Weight: 118.095

Accurate Mass: 118.049076

Percentage Composition: C 20.34%; H 5.12%; N 47.44%; O 27.10%

Use/Importance: Used as complexing agent for Cu; used as 0.1% aq. soln. for photometric detn. of Cu(II)

Physical Description: Cryst.

Melting Point: Mp 241 dec.°

Solubility: Sol. common org. solvs.