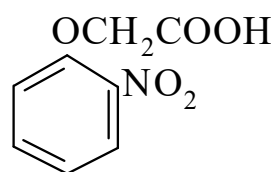




>>Entry Name: (2-Nitrophenoxy)acetic acid, 9Cl

Synonym(s): (2-Nitrophenoxy)ethanoic acid. Glycollic acid 2-nitrophenyl ether



CAS Registry Number: 1878-87-1

Molecular Formula: C₈H₇NO₅

Molecular Weight: 197.147

Accurate Mass: 197.032424

Percentage Composition: C 48.74%; H 3.58%; N 7.10%; O 40.58%

Use/Importance: Has fungicidal props.

Physical Description: Prisms (H₂O)

Melting Point: Mp 156.5°

pKa Value: pK_a 4

Other Data: Nonvolatile in steam

Rare Chemicals Library: S41416-6

>>Derivative: Et ester

CAS Registry Number: 37682-31-8

Molecular Formula: C₁₀H₁₁NO₅

Molecular Weight: 225.201

Accurate Mass: 225.063724

Percentage Composition: C 53.33%; H 4.92%; N 6.22%; O 35.52%

Physical Description: Needles or leaflets (EtOH aq.)

Melting Point: Mp 46-47°

>>Derivative: Chloride

CAS Registry Number: 20142-87-4

Molecular Formula: C₈H₆ClNO₄

Molecular Weight: 215.592

Accurate Mass: 214.998536

Percentage Composition: C 44.57%; H 2.81%; Cl 16.44%; N 6.50%; O 29.68%

Physical Description: Yellow needles (petrol), prisms (C₆H₆)

Melting Point: Mp 43-44.5°

References:

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