



CAS Registry Number: 1603-79-8

Molecular Formula: C₁₀H₁₀O₃

Molecular Weight: 178.187

Accurate Mass: 178.062995

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

Physical Description: Oil

Boiling Point: Bp₁₀ 130°. Bp₂ 103-105°

Refractive Index: n_D²⁰ 1.5160

Aldrich: 25891-1

>>Derivative: Chloride

CAS Registry Number: 25726-04-9

Molecular Formula: C₈H₅ClO₂

Molecular Weight: 168.579

Accurate Mass: 167.997807

Percentage Composition: C 57.00%; H 2.99%; Cl 21.03%; O 18.98%

Physical Description: Oil

Boiling Point: Bp₉ 125°

>>Derivative: Amide

Synonym(s): Benzoyl formamide

CAS Registry Number: 7505-92-2

Molecular Formula: C₈H₇NO₂

Molecular Weight: 149.149

Accurate Mass: 149.047679

Percentage Composition: C 64.42%; H 4.73%; N 9.39%; O 21.45%

Physical Description: Prisms

Melting Point: Mp 91°

>>Derivative: Nitrile

Synonym(s): Benzoyl cyanide

CAS Registry Number: 613-90-1

Molecular Formula: C₈H₅NO

Molecular Weight: 131.134

Accurate Mass: 131.037114

Percentage Composition: C 73.27%; H 3.84%; N 10.68%; O 12.20%

Biological Source: Constit. of defensive secretions of millipedes

Use/Importance: Reagent for selective benzylation of sugars

Physical Description: Cryst.

Melting Point: Mp 35-36° (33-34°)

Boiling Point: Bp 206-208°

Aldrich: 11595-9

Fluka: 12961

Sigma: B0141

>>Derivative: Nitrile, oxime

Synonym(s): 2-Hydroxyimino-2-phenylacetonitrile

CAS Registry Number: 825-52-5

Molecular Formula: C₈H₆N₂O

Molecular Weight: 146.148

Accurate Mass: 146.048013

Percentage Composition: C 65.75%; H 4.14%; N 19.17%; O 10.95%

Melting Point: Mp 128-130°

Aldrich: 37569-1