



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