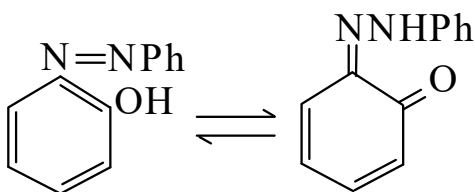




>>Entry Name: 2-Hydroxyazobenzene

Synonym(s): 2-(Phenylazo)phenol, 9Cl. *o*-Benzeneazophenol. 1,2-Benzoquinone monophenylhydrazone



CAS Registry Number: 2362-57-4

Molecular Formula: C₁₂H₁₀N₂O

Molecular Weight: 198.224

Accurate Mass: 198.079313

Percentage Composition: C 72.71%; H 5.08%; N 14.13%; O 8.07%

Physical Description: Orange-red needles (Et₂O)

Melting Point: Mp 83°

pKa Value: pK_a 9.38 (25°, H₂O)

Rare Chemicals Library: S92713-9

>>Derivative: Ac

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: Orange-red liq.

Melting Point: Mp -20°

>>Derivative: Benzoyl

Molecular Formula: C₁₉H₁₄N₂O₂

Molecular Weight: 302.332

Accurate Mass: 302.105528

Percentage Composition: C 75.48%; H 4.67%; N 9.27%; O 10.58%

Physical Description: Orange-red needles (petrol)

>>Derivative: Me ether

Synonym(s): 2-Methoxyazobenzene

CAS Registry Number: 6319-21-7

Molecular Formula: C₁₃H₁₂N₂O

Molecular Weight: 212.251

Accurate Mass: 212.094963

Percentage Composition: C 73.57%; H 5.70%; N 13.20%; O 7.54%

Physical Description: Orange-red needles (EtOH aq.)

Melting Point: Mp 41°

Boiling Point: Bp₁₄ 196-197°

Other Data: Steam-volatile

References:

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