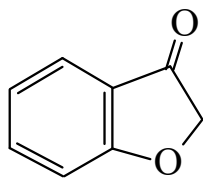




>>Entry Name: **3(2H)-Benzofuranone**, 9CI

Synonym(s): Dihydrobenzofuran-3-one. 3-Coumaranone. 3-Oxocoumaran. Coumaranone. Cumaranone



CAS Registry Number: 7169-34-8

Molecular Formula: C₈H₆O₂

Molecular Weight: 134.134

Accurate Mass: 134.03678

Percentage Composition: C 71.64%; H 4.51%; O 23.86%

Physical Description: Needles (EtOH)

Melting Point: Mp 102-103°

Solubility: Sol. NaOH, spar. sol. H₂O

Other Data: Spar. steam-volatile. Turns brown on standing in air. Reduces Fehling's soln.

Fluka: 12502

Sigma: C0457

>>Derivative: Oxime

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%

Melting Point: Mp 159°

>>Derivative: Semicarbazone

Melting Point: Mp 231°

>>Derivative: 4-Nitrophenylhydrazone

Melting Point: Mp 210°

References:

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