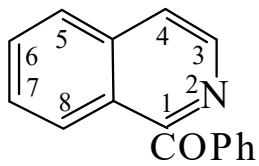




>>Entry Name: 1-Benzoylisoquinoline

Synonym(s): 1-Isoquinolylphenylmethanone, 9CI. 1-Isoquinolyl phenyl ketone



CAS Registry Number: 16576-23-1

Molecular Formula: C₁₆H₁₁NO

Molecular Weight: 233.269

Accurate Mass: 233.084064

Percentage Composition: C 82.38%; H 4.75%; N 6.00%; O 6.86%

Physical Description: Needles

Melting Point: Mp 76-77°

Aldrich: 35796-0

>>Derivative: Oxime

Molecular Formula: C₁₆H₁₂N₂O

Molecular Weight: 248.284

Accurate Mass: 248.094963

Percentage Composition: C 77.40%; H 4.87%; N 11.28%; O 6.44%

Melting Point: Mp 214-216°

>>Derivative: Hydrazone

CAS Registry Number: 58022-24-5

Physical Description: Needles (cyclohexane)

Melting Point: Mp 108°

References:

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Boekelheide, V. *et al.*, *J.A.C.S.*, 1952, **74**, 660, (*synth*)

Chazerain, J., *Ann. Chim. (Paris)*, 1963, **8**, 255, (*synth*)

Sliwa, H. *et al.*, *J. Het. Chem.*, 1987, **24**, 1617, (*synth, pmr*)