



>>Entry Name: 3-(Trifluoromethyl)benzophenone

Synonym(s): Phenyl[3-(trifluoromethyl)phenyl]methanone, 9Cl. 3-Benzoylbenzotrifluoride

CAS Registry Number: 728-81-4

Molecular Formula: C₁₄H₉F₃O

Molecular Weight: 250.22

Accurate Mass: 250.060549

Percentage Composition: C 67.20%; H 3.63%; F 22.78%; O 6.39%

Melting Point: Mp 52-53°

Boiling Point: Bp_{1.5} 121-123°

Aldrich: 23313-7

>>Derivative: Oxime

CAS Registry Number: 732-47-8

Molecular Formula: C₁₄H₁₀F₃NO

Molecular Weight: 265.234

Accurate Mass: 265.071448

Percentage Composition: C 63.40%; H 3.80%; F 21.49%; N 5.28%; O 6.03%

Melting Point: Mp 134-141°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **3**, 1272A

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 67A

Kovacic, P. *et al.*, *J.O.C.*, 1961, **26**, 2541, (*synth*)

Lichtenberger, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1962, 587, (*synth*)

Hoffman, R.V. *et al.*, *J.O.C.*, 1979, **44**, 2364, (*synth*)