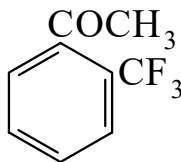




>>Entry Name: 2'-(Trifluoromethyl)acetophenone, 8CI

Synonym(s): 1-[2-(Trifluoromethyl)phenyl]ethanone, 9CI



CAS Registry Number: 17408-14-9

Molecular Formula: C₉H₇F₃O

Molecular Weight: 188.149

Accurate Mass: 188.044899

Percentage Composition: C 57.45%; H 3.75%; F 30.29%; O 8.50%

Boiling Point: Bp 163-164°. Bp₂₀ 100-102°

Refractive Index: n_D²⁰ 1.1484

Aldrich: 23315-3

Other: PB T23298

>>Derivative: Oxime (*E*-)

CAS Registry Number: 24652-68-4

Molecular Formula: C₉H₈F₃NO

Molecular Weight: 203.163

Accurate Mass: 203.055798

Percentage Composition: C 53.21%; H 3.97%; F 28.05%; N 6.89%; O 7.88%

Melting Point: Mp 118-120°

>>Derivative: 2,3-Dichlorophenylhydrazone

CAS Registry Number: 77635-64-4

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 99.1°

>>Derivative: 2,4-Dichlorophenylhydrazone

CAS Registry Number: 77635-63-3

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 48.4°

References:

Barfknecht, C.F. *et al.*, *J. Pharm. Sci.*, 1969, **58**, 490, (*oxime*)

Yoder, C.H. *et al.*, *J.O.C.*, 1976, **41**, 1511, (*cmr*)

Rector, D.L. *et al.*, *J. Med. Chem.*, 1981, **24**, 532, (*hydrazones*)

Clark, J.H. *et al.*, *J. Fluorine Chem.*, 1990, **50**, 411, (*gc-ms*)

Pickard, S.T. *et al.*, *J.A.C.S.*, 1990, **112**, 5741, (*synth, pmr*)