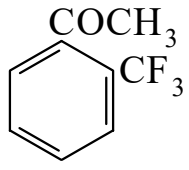
>>**Entry Name: 2'-(Trifluoromethyl)acetophenone,** 8CI
Synonym(s): 1-[2-(Trifluoromethyl)phenyl]ethanone, 9CI



CAS Registry Number: 17408-14-9

Molecular Formula: $C_9H_7F_3O$
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°. Bp_{20} 100-102°
Refractive Index: n_D^{20} 1.1484

Aldrich: 23315-3
Other: PB T23298

>>**Derivative:** Oxime (*E*-)

CAS Registry Number: 24652-68-4
Molecular Formula: $C_9H_8F_3NO$
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)*