>>**Entry Name: 1,4-Diacetylbenzene**
Synonym(s): 1,1'-(1,4-Phenylene)bisethanone, 9CI. *p*-Acetylacetophenone

CAS Registry Number: 1009-61-6

Molecular Formula: $C_{10}H_{10}O_2$
Molecular Weight: 162.188
Accurate Mass: 162.06808
Percentage Composition: C 74.06%; H 6.21%; O 19.73%
Physical Description: Prisms (EtOH or Et_2O)
Melting Point: Mp 111-113°
Other Data: Sublimes at 100°

Aldrich: D820-8
Fluka: 31537

>>**Derivative:** Dioxime

CAS Registry Number: 27912-60-3
Molecular Formula: $C_{10}H_{12}N_2O_2$
Molecular Weight: 192.217
Accurate Mass: 192.089878
Percentage Composition: C 62.49%; H 6.29%; N 14.57%; O 16.65%
Melting Point: Mp 240 dec.°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 819C, *(nmr)*
Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 17A, *(ir)*
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 1237C, *(ir)*
Aldrich Library of IR Spectra, 2nd Ed., 751B, *(ir)*
Aldrich Library of NMR Spectra, **6**, 14A, *(pmr)*
Holsten, J. *et al.*, *J.O.C.*, 1961, **26**, 4151, *(synth)*