>>**Entry Name: 1,3-Benzenediacetic acid,** 9CI
Synonym(s): 1,3-Bis(carboxymethyl)benzene. *m*-Phenylenediacetic acid. *m*-Xylene-ω,ω'-dicarboxylic acid

CAS Registry Number: 19806-17-8

Molecular Formula: $C_{10}H_{10}O_4$
Molecular Weight: 194.187
Accurate Mass: 194.05791
Percentage Composition: C 61.85%; H 5.19%; O 32.96%
Physical Description: Needles (H_2O)
Melting Point: Mp 170°

Aldrich: P2335-0

>>**Derivative:** Di-Me ester

CAS Registry Number: 36076-19-4
Molecular Formula: $C_{12}H_{14}O_4$
Molecular Weight: 222.24
Accurate Mass: 222.08921
Percentage Composition: C 64.85%; H 6.35%; O 28.80%
Boiling Point: Bp 298-300°. Bp_{15} 185-187°

>>**Derivative:** Di-Et ester

CAS Registry Number: 36076-20-7
Molecular Formula: $C_{14}H_{18}O_4$
Molecular Weight: 250.294
Accurate Mass: 250.12051
Percentage Composition: C 67.18%; H 7.25%; O 25.57%
Boiling Point: Bp_{12} 188-189°

>>**Derivative:** Dinitrile
Synonym(s): *m*-Xylylene dicyanide. α,α-Dicyano-*m*-xylene. 1,3-Benzenediacetonitrile. 1,3-Bis(cyanomethyl)benzene

CAS Registry Number: 626-22-2
Molecular Formula: $C_{10}H_8N_2$
Molecular Weight: 156.187
Accurate Mass: 156.068748
Percentage Composition: C 76.90%; H 5.16%; N 17.94%
Physical Description: Cryst.
Melting Point: Mp 28-29°
Boiling Point: Bp_{25} 170° (lit. gives a pressure range)

Aldrich: P2370-9

References:
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Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 153D; 433A, *(ir)*
Titley, A.F., *J.C.S.*, 1928, 2571, *(synth)*
Morton, A.A. *et al.*, *J.A.C.S.*, 1943, **65**, 1339, *(synth)*

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