



>>Entry Name: 3-Methyl-1,2-benzenedicarboxylic acid, 9CI
Synonym(s): 3-Methylphthalic acid, 8CI. Toluene-2,3-dicarboxylic acid

CAS Registry Number: 37102-74-2

Molecular Formula: $C_9H_8O_4$
Molecular Weight: 180.16
Accurate Mass: 180.04226
Percentage Composition: C 60.00%; H 4.48%; O 35.52%
Physical Description: Needles (EtOAc)
Melting Point: Mp 157°

>>Derivative: Dinitrile
Synonym(s): 2,3-Dicyanotoluene. 3-Methylphthalonitrile

CAS Registry Number: 36715-97-6
Molecular Formula: $C_9H_6N_2$
Molecular Weight: 142.16
Accurate Mass: 142.053098
Percentage Composition: C 76.04%; H 4.25%; N 19.71%
Physical Description: Needles (EtOH or C_6H_6)
Melting Point: Mp 143°
Other Data: Steam-volatile

>>Derivative: Di-Me ester

CAS Registry Number: 21483-46-5
Molecular Formula: $C_{11}H_{12}O_4$
Molecular Weight: 208.213
Accurate Mass: 208.07356
Percentage Composition: C 63.45%; H 5.81%; O 30.74%
Physical Description: Cryst. (MeOH aq.)
Melting Point: Mp 40-41°
Boiling Point: Bp₉ 142-147°

>>Derivative: 1-Me ester, 2-nitrile
Synonym(s): Methyl 2-cyano-3-methylbenzoate

Molecular Formula: $C_{10}H_9NO_2$
Molecular Weight: 175.187
Accurate Mass: 175.063329
Percentage Composition: C 68.56%; H 5.18%; N 8.00%; O 18.27%
Physical Description: Needles (petrol)
Melting Point: Mp 68-70°

>>Derivative: Diamide

CAS Registry Number: 63089-46-3
Molecular Formula: $C_9H_{10}N_2O_2$
Molecular Weight: 178.19
Accurate Mass: 178.074228
Percentage Composition: C 60.66%; H 5.66%; N 15.72%; O 17.96%
Physical Description: Cryst.
Melting Point: Mp 225°

>>Derivative: Anhydride

CAS Registry Number: 4792-30-7
Extra CAS Registry Numbers(s): 25134-21-8
Molecular Formula: $C_9H_6O_3$
Molecular Weight: 162.145
Accurate Mass: 162.031695
Percentage Composition: C 66.67%; H 3.73%; O 29.60%
Physical Description: Cryst. (petrol), needles by subl.
Melting Point: Mp 117-118°