



>>Derivative: *N,N*-Di-Me, dinitrile

Synonym(s): [(Dimethylamino)methylene]propanedinitrile. (Dimethylaminomethylene)malononitrile

CAS Registry Number: 16849-88-0

Molecular Formula: C₆H₇N₃

Molecular Weight: 121.141

Accurate Mass: 121.063997

Percentage Composition: C 59.49%; H 5.82%; N 34.69%

Melting Point: Mp 84-85°

Boiling Point: Bp_{0.3} 155-156°

Aldrich: 14444-4

>>Derivative: *N*-Ph, *N*-Me, di-Me ester

CAS Registry Number: 18856-71-8

Molecular Formula: C₁₃H₁₅NO₄

Molecular Weight: 249.266

Accurate Mass: 249.100109

Percentage Composition: C 62.64%; H 6.07%; N 5.62%; O 25.67%

Physical Description: Oil

Boiling Point: Bp_{0.01} 128°

>>Derivative: *N*-Ph, dinitrile

Synonym(s): [(Phenylamino)methylene]propanedinitrile

CAS Registry Number: 1202-48-8

Molecular Formula: C₁₀H₇N₃

Molecular Weight: 169.185

Accurate Mass: 169.063997

Percentage Composition: C 70.99%; H 4.17%; N 24.84%

Use/Importance: Potentially useful reagent for the synthesis of heterocyclic compds. (*cf.* (Aminomethylene)propanedinitrile [KMH70-N](#))

Physical Description: Cryst. (DMSO or MeOH)

Melting Point: Mp 253-255°

References: