



>>Derivative: Nitrile

Synonym(s): Pentanenitrile, 9CI. Valeronitrile, 8CI. Butyl cyanide. 1-Cyanobutane

CAS Registry Number: 110-59-8

Molecular Formula: C₅H₉N

Molecular Weight: 83.133

Accurate Mass: 83.073499

Percentage Composition: C 72.24%; H 10.91%; N 16.85%

Biological Source: Constit. of various *Brassica* spp.

Physical Description: Liq.

Boiling Point: Bp 138-140°

Aldrich: 15509-8

Fluka: 94590

>>Derivative: Anhydride

CAS Registry Number: 2082-59-9

Molecular Formula: C₁₀H₁₈O₃

Molecular Weight: 186.25

Accurate Mass: 186.125595

Percentage Composition: C 64.49%; H 9.74%; O 25.77%

Physical Description: Liq.

Boiling Point: Bp₁₅ 110-111°

Aldrich: 24593-3

Fluka: 94550

Sigma: V6127

>>Derivative: Imide

Synonym(s): Divaleramide, 8CI

CAS Registry Number: 33655-40-2

Molecular Formula: C₁₀H₁₉NO₂

Molecular Weight: 185.266

Accurate Mass: 185.141579

Percentage Composition: C 64.83%; H 10.34%; N 7.56%; O 17.27%

Physical Description: Cryst.

Melting Point: Mp 100°

Solubility: V. sol. Et₂O; mod. sol. hot EtOH

References:

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