



Percentage Composition: C 50.69%; H 7.09%; N 19.71%; O 22.51%
Solubility: Sol. H₂O; spar. sol. C₆H₆, toluene; insol. Et₂O, EtOH, Me₂CO

>>**Derivative:** *N*-Formyl, dinitrile

CAS Registry Number: 3445-84-9
Molecular Formula: C₇H₉N₃O
Molecular Weight: 151.168
Accurate Mass: 151.074562
Percentage Composition: C 55.62%; H 6.00%; N 27.80%; O 10.58%
Physical Description: Liq.
Other: PB B12890

>>**Derivative:** *N*-Ac, dinitrile

Molecular Formula: C₈H₁₁N₃O
Molecular Weight: 165.194
Accurate Mass: 165.090212
Percentage Composition: C 58.17%; H 6.71%; N 25.44%; O 9.69%
Melting Point: Mp 48°

>>**Derivative:** *N*-Me, diamide

Synonym(s): 3,3'-(Methylimino)bispropanamide, 9CI

Molecular Formula: C₇H₁₅N₃O₂
Molecular Weight: 173.214
Accurate Mass: 173.116427
Percentage Composition: C 48.54%; H 8.73%; N 24.26%; O 18.47%
Physical Description: Cryst. (MeOH)
Melting Point: Mp 111-112°
Other: PB: M20625

>>**Derivative:** *N*-Dodecyl

Synonym(s): *N*-(2-Carboxyethyl)-*N*-dodecyl-β-alanine. Deriphat 160. Monateric 1188M

CAS Registry Number: 3655-00-3
Extra CAS Registry Numbers(s): 26256-79-1
Molecular Formula: C₁₈H₃₅NO₄
Molecular Weight: 329.479
Accurate Mass: 329.256609
Percentage Composition: C 65.62%; H 10.71%; N 4.25%; O 19.42%
Use/Importance: Detergent; lubricant; antistat; corrosion inhibitor; emulsifier and solubiliser used in detergent and industrial formulations, personal hair products, leather and textile fibres, emulsion polymerisation
Physical Description: Powder (as di-Na salt)
Other Data: CAS no. refers to di-Na salt

>>**Derivative:** *N*-Phenethyl

References:

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Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, BIQ500, (*dinitrile*)