



>>>Derivative: *N*-Octadecanoyl

Synonym(s): *N*-(2-Hydroxyethyl)octadecanamide, 9Cl. *N*-Stearoylethanolamine. 2-Stearamidoethanol

CAS Registry Number: 111-57-9

Molecular Formula: C₂₀H₄₁NO₂

Molecular Weight: 327.549

Accurate Mass: 327.313729

Percentage Composition: C 73.34%; H 12.62%; N 4.28%; O 9.77%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 100-102°

>>>Derivative: *N*-(9Z-Octadecenoyl)

Synonym(s): *N*-(2-Hydroxyethyl)-9-octadecenamide, 9Cl. *N*-(2-Hydroxyethyl)oleamide, 8Cl

CAS Registry Number: 111-58-0

Molecular Formula: C₂₀H₃₉NO₂

Molecular Weight: 325.534

Accurate Mass: 325.298079

Percentage Composition: C 73.79%; H 12.07%; N 4.30%; O 9.83%

Physical Description: Cryst. (petrol)

Melting Point: Mp 63-64°

Sigma: O0383

>>>Derivative: *N*-(9Z,12Z-Octadecadienoyl)

Synonym(s): *N*-(2-Hydroxyethyl)-9,12-octadecadienamide, 9Cl. ***N*-(2-Hydroxyethyl)linoleamide**

CAS Registry Number: 68171-52-8

Extra CAS Registry Numbers(s): 10015-67-5

Molecular Formula: C₂₀H₃₇NO₂

Molecular Weight: 323.518

Accurate Mass: 323.282429

Percentage Composition: C 74.25%; H 11.53%; N 4.33%; O 9.89%

Biological Source: Alkaloid from *Vaccaria segetalis*

>>>Derivative: *N*-tert-Butyloxycarbonyl

CAS Registry Number: 26690-80-2

Molecular Formula: C₇H₁₅NO₃

Molecular Weight: 161.2

Accurate Mass: 161.105194

Percentage Composition: C 52.16%; H 9.38%; N 8.69%; O 29.78%

Physical Description: Oil

Boiling Point: Bp_{0.3} 92°

Refractive Index: n_D²⁰ 1.4525

>>>Derivative: *N*-Benzoyl

CAS Registry Number: 18838-10-3

Molecular Formula: C₉H₁₁NO₂

Molecular Weight: 165.191

Accurate Mass: 165.078979

Percentage Composition: C 65.44%; H 6.71%; N 8.48%; O 19.37%

Melting Point: Mp 50°

Boiling Point: Bp₁ 189-191°

>>>Derivative: *N,O*-Dibenzoyl

CAS Registry Number: 16180-99-7

Molecular Formula: C₁₆H₁₅NO₃

Molecular Weight: 269.299

Accurate Mass: 269.105194

Percentage Composition: C 71.36%; H 5.61%; N 5.20%; O 17.82%

Melting Point: Mp 89°

Boiling Point: Bp₅ 140°

Rare Chemicals Library: S67931-3