



Molecular Formula: C₁₅H₂₁NO₄
Molecular Weight: 279.335
Accurate Mass: 279.147059
Percentage Composition: C 64.50%; H 7.58%; N 5.01%; O 22.91%
Melting Point: Mp 74-75°

>>Derivative: *N*-(2,4-Dinitrophenyl)

CAS Registry Number: 1655-57-8
Melting Point: Mp 94-95°
Sigma: D0130

>>Derivative: *N*-(2,4,6-Trinitrophenyl)

Molecular Formula: C₁₂H₁₄N₄O₈
Molecular Weight: 342.265
Accurate Mass: 342.081166
Percentage Composition: C 42.11%; H 4.12%; N 16.37%; O 37.40%
Physical Description: Cryst. (MeOH aq.)
Melting Point: Mp 98-99°

>>Derivative: Polymer with 5-methylglutamate
Synonym(s): Leuciglumer, INN

CAS Registry Number: 41385-14-2

Biological Use/Importance: Dermatological agent
Optical Rotation: [α]_D²⁰ -44 (c, 0.01 in HCl aq.)

>>Variant: (±)-form

CAS Registry Number: 328-39-2
Molecular Formula: C₆H₁₃NO₂
Molecular Weight: 131.174
Accurate Mass: 131.094629
Percentage Composition: C 54.94%; H 9.99%; N 10.68%; O 24.39%
Biological Use/Importance: Dietary supplement, nutrient
Physical Description: Plates (H₂O)
Melting Point: Mp 293-295° (sealed tube)
Solubility: V. spar. sol. EtOH
pKa Value: pK_{a1} 2.33; pK_{a2} 9.74 (25°)
Aldrich: 16272-8
Fluka: 61840
Sigma: L7875

>>Derivative: Et ester

CAS Registry Number: 2899-43-6
Molecular Formula: C₈H₁₇NO₂
Molecular Weight: 159.228
Accurate Mass: 159.125929
Percentage Composition: C 60.35%; H 10.76%; N 8.80%; O 20.10%
Boiling Point: Bp₇₆₁ 196°. Bp₁₈ 88°
Solubility: Misc. EtOH, Et₂O, C₆H₆, petrol

>>Derivative: Amide

CAS Registry Number: 13079-20-4
Molecular Formula: C₆H₁₄N₂O
Molecular Weight: 130.189
Percentage Composition: C 55.35%; H 10.84%; N 21.52%; O 12.29%
Physical Description: Prisms (C₆H₆)
Solubility: Sol. H₂O; v. sol. EtOH, Me₂CO; spar. sol. C₆H₆

>>Derivative: *N*-Ac
Synonym(s): Acetylleucine, INN. Tanganil. RP 7452

CAS Registry Number: 99-15-0