



>>Entry Name: Tridecanoic acid

Synonym(s): Tridecoic acid

CAS Registry Number: 638-53-9

$\text{H}_3\text{C}(\text{CH}_2)_{11}\text{COOH}$

Molecular Formula: $\text{C}_{13}\text{H}_{26}\text{O}_2$

Molecular Weight: 214.347

Accurate Mass: 214.19328

Percentage Composition: C 72.85%; H 12.23%; O 14.93%

Biological Source: Constit. of *Erythrina crista-galli* trunk wood and bark

Physical Description: Cryst. (Me_2CO)

Melting Point: Mp 44.5-45.5°

Boiling Point: Bp₂₄ 199-200°

Hazard & Toxicity: LD₅₀ (mus, ivn) 130 mg/kg

Aldrich: T5760-6

Fluka: 91540

Sigma: T0502

>>Derivative: Zn salt

Physical Description: Needles (3-methylbutanol)

Melting Point: Mp 128°

>>Derivative: Me ester

CAS Registry Number: 1731-88-0

Molecular Formula: $\text{C}_{14}\text{H}_{28}\text{O}_2$

Molecular Weight: 228.374

Accurate Mass: 228.20893

Percentage Composition: C 73.63%; H 12.36%; O 14.01%

Melting Point: Mp 6.5°

Boiling Point: Bp₁ 90-95°

Aldrich: M8540-9

Fluka: 91560

Sigma: T0627

>>Derivative: Et ester

CAS Registry Number: 28267-29-0

Molecular Formula: $\text{C}_{15}\text{H}_{30}\text{O}_2$

Molecular Weight: 242.401

Accurate Mass: 242.22458

Percentage Composition: C 74.33%; H 12.47%; O 13.20%

Boiling Point: Bp₆₀ 197-198°. Bp₅ 163-165°

Aldrich: 14260-3

Sigma: T6382

>>Derivative: Amide

CAS Registry Number: 34778-57-9

Molecular Formula: $\text{C}_{13}\text{H}_{27}\text{NO}$

Molecular Weight: 213.362

Accurate Mass: 213.209264

Percentage Composition: C 73.18%; H 12.75%; N 6.56%; O 7.50%

Melting Point: Mp 100°

Rare Chemicals Library: S56300-5