



CAS Registry Number: 3319-31-1

Molecular Formula: C₃₃H₅₄O₆

Molecular Weight: 546.786

Accurate Mass: 546.39204

Percentage Composition: C 72.49%; H 9.95%; O 17.56%

Use/Importance: Plasticiser for PVC. Shows low volatility and extractability

Physical Description: Liq.

Melting Point: Mp -46°

Boiling Point: Bp₃ 278-284°

Density: d₂₅²⁵ 0.987. d₂₀²⁰ 0.992

Refractive Index: n_D²⁵ 1.4846

Aldrich: 36860-1

Fluka: 92124

>>Derivative: Triisooctyl ester

Synonym(s): TIOTM

CAS Registry Number: 27251-75-8

Molecular Formula: C₃₃H₅₄O₆

Molecular Weight: 546.786

Accurate Mass: 546.39204

Percentage Composition: C 72.49%; H 9.95%; O 17.56%

Use/Importance: Plasticiser for PVC

Boiling Point: Bp_{2.5} 283°

Density: d₂₀²⁰ 0.992

Refractive Index: n_D²⁰ 1.4872

Other Data: Ester of trimellitic acid with mixed octyl alcohols

Aldrich: 46026-5

>>Derivative: Triisononyl ester

CAS Registry Number: 53894-23-8

Molecular Formula: C₃₆H₆₀O₆

Molecular Weight: 588.866

Accurate Mass: 588.43899

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

Use/Importance: Plasticiser for PVC

Density: d²⁰ 0.979

Other Data: Ester of trimellitic acid with mixed nonyl alcohols

Fluka: 92123

>>Derivative: Triisodecyl ester

CAS Registry Number: 36631-30-8

Molecular Formula: C₃₉H₆₆O₆

Molecular Weight: 630.947

Accurate Mass: 630.48594

Percentage Composition: C 74.24%; H 10.54%; O 15.21%

Use/Importance: Plasticiser for PVC

Boiling Point: Bp₁ 272°

Density: d²⁰ 0.969

Other Data: Ester of trimellitic acid with mixed decyl alcohols

>>Derivative: Trichloride

CAS Registry Number: 3867-55-8

Molecular Formula: C₉H₃Cl₃O₃

Molecular Weight: 265.479

Accurate Mass: 263.914776

Percentage Composition: C 40.72%; H 1.14%; Cl 40.06%; O 18.08%

Use/Importance: Comonomer for polyamides and polyesters

Boiling Point: Bp₂ 141-142°

Rare Chemicals Library: S52759-9