



CAS Registry Number: 3319-31-1
Molecular Formula: $C_{33}H_{54}O_6$
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: d_{25}^{25} 0.987. d_{20}^{20} 0.992
Refractive Index: n_D^{25} 1.4846
Aldrich: 36860-1
Fluka: 92124

>>Derivative: Triisooctyl ester
Synonym(s): TIOTM

CAS Registry Number: 27251-75-8
Molecular Formula: $C_{33}H_{54}O_6$
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: d_{20}^{20} 0.992
Refractive Index: n_D^{20} 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: $C_{36}H_{60}O_6$
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: d^{20} 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: $C_{39}H_{66}O_6$
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: d^{20} 0.969
Other Data: Ester of trimellitic acid with mixed decyl alcohols

>>Derivative: Trichloride

CAS Registry Number: 3867-55-8
Molecular Formula: $C_9H_3Cl_3O_3$
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