



CAS Registry Number: 605-45-8
Molecular Formula: C₁₄H₁₈O₄
Molecular Weight: 250.294
Accurate Mass: 250.12051
Percentage Composition: C 67.18%; H 7.25%; O 25.57%
Use/Importance: Catalyst for alkene polym. Plasticiser
Physical Description: Liq.
Boiling Point: Bp₁₀ 152-155°
Density: d^{15.6} 1.063
Refractive Index: n_D²⁰ 1.4900
Fluka: 80137

>>**Derivative:** Bis(2-methylpropyl) ester
Synonym(s): Diisobutyl phthalate. DIBP

CAS Registry Number: 84-69-5
Molecular Formula: C₁₆H₂₂O₄
Molecular Weight: 278.347
Accurate Mass: 278.15181
Percentage Composition: C 69.04%; H 7.97%; O 22.99%
Use/Importance: Plasticiser
Physical Description: Liq.
Boiling Point: Bp 327°
Density: d₂₀²⁰ 1.04
Refractive Index: n_D²⁰ 1.4900
Aldrich: 15264-1
Fluka: 80130
Rare Chemicals Library: S45971-2

>>**Derivative:** Di(2-propenyl) ester
Synonym(s): Diallyl phthalate

CAS Registry Number: 131-17-9
Molecular Formula: C₁₄H₁₄O₄
Molecular Weight: 246.262
Accurate Mass: 246.08921
Percentage Composition: C 68.28%; H 5.73%; O 25.99%
Use/Importance: Primary plasticiser
Melting Point: Mp -70°
Boiling Point: Bp₅ 165-167°
Solubility: Insol. H₂O
Refractive Index: n_D²⁰ 1.5190
Other Data: Polym. if not inhibited
Hazard & Toxicity: Lachrymator. OES: long-term 5 mg m⁻³

Aldrich: 26937-9
Fluka: 80090
Sigma: P4183

>>**Derivative:** Monobutyl ester
Synonym(s): Monobutyl phthalate

CAS Registry Number: 131-70-4
Molecular Formula: C₁₂H₁₄O₄
Molecular Weight: 222.24
Accurate Mass: 222.08921
Percentage Composition: C 64.85%; H 6.35%; O 28.80%
Physical Description: Leaflets (EtOH)
Melting Point: Mp 73-74°