



Molecular Formula: C₂₀H₃₀O₆
Molecular Weight: 366.453
Accurate Mass: 366.20424
Percentage Composition: C 65.55%; H 8.25%; O 26.20%
Use/Importance: Plasticiser for PVC
Physical Description: Involatile liq.
Melting Point: Mp -40°
Boiling Point: Bp₄ 210-233°
Solubility: Insol. H₂O
Density: d₂₀²⁰ 1.172
Refractive Index: n_D²⁵ 1.5020
Aldrich: 46009-5

>>>**Derivative:** (Ethoxycarbonyl)methyl methyl ester
Synonym(s): 2-Ethoxy-2-oxoethyl methyl phthalate

CAS Registry Number: 85-71-2
Molecular Formula: C₁₃H₁₄O₆
Molecular Weight: 266.25
Accurate Mass: 266.07904
Percentage Composition: C 58.65%; H 5.30%; O 36.05%
Use/Importance: Plasticiser
Boiling Point: Bp₅ 189°
Solubility: Insol. H₂O
Density: d₄²⁵ 1.216
Refractive Index: n_D²⁵ 1.5049

>>>**Derivative:** (Butoxycarbonyl)methyl butyl ester
Synonym(s): 2-Butoxy-2-oxoethyl butyl phthalate. Santicizer B 16

CAS Registry Number: 85-70-1
Molecular Formula: C₁₈H₂₄O₆
Molecular Weight: 336.384
Accurate Mass: 336.15729
Percentage Composition: C 64.27%; H 7.19%; O 28.54%
Use/Importance: Plasticiser for PVC
Physical Description: Liq.
Boiling Point: Bp₅ 219°
Solubility: Insol. H₂O
Density: d₄²⁵ 1.095
Refractive Index: n_D²⁵ 1.4897
Aldrich: 38900-5

>>>**Derivative:** Mono-Ph ester
Synonym(s): Monophenyl phthalate

CAS Registry Number: 6139-63-5
Molecular Formula: C₁₄H₁₀O₄
Molecular Weight: 242.231
Accurate Mass: 242.05791
Percentage Composition: C 69.42%; H 4.16%; O 26.42%
Physical Description: Cryst. (C₆H₆/petrol)
Melting Point: Mp 94-96°