



Boiling Point: Bp₁ 256-257°

Density: d³⁰ 0.9389

Refractive Index: n_D³⁰ 1.4778

>> **Derivative:** Ditridecyl ester

Synonym(s): Ditridecyl phthalate. DTDP

CAS Registry Number: 119-06-2

Molecular Formula: C₃₄H₅₈O₄

Molecular Weight: 530.83

Accurate Mass: 530.43351

Percentage Composition: C 76.93%; H 11.01%; O 12.06%

Use/Importance: Plasticiser for PVC

Physical Description: Liq.

Boiling Point: Bp_{3.5} 285°

Density: d²⁵ 0.952

Refractive Index: n_D²⁴ 1.4840

>> **Derivative:** Benzyl butyl ester

Synonym(s): Benzyl butyl phthalate. BBP. Santicizer 160. Unimoll BB

CAS Registry Number: 85-68-7

Molecular Formula: C₁₉H₂₀O₄

Molecular Weight: 312.365

Accurate Mass: 312.13616

Percentage Composition: C 73.06%; H 6.45%; O 20.49%

Use/Importance: Plasticiser

Physical Description: Liq.

Boiling Point: Bp 370°. Bp₁₀ 235-255°

Solubility: Insol. H₂O

Density: d²⁵ 1.119

Refractive Index: n_D²⁵ 1.5380

Aldrich: 30850-1

Rare Chemicals Library: S57296-9

Supelco: 4-8558

>> **Derivative:** Dibenzyl ester

Synonym(s): Dibenzyl phthalate

CAS Registry Number: 523-31-9

Molecular Formula: C₂₂H₁₈O₄

Molecular Weight: 346.382

Accurate Mass: 346.12051

Percentage Composition: C 76.29%; H 5.24%; O 18.48%

Use/Importance: Plasticiser

Physical Description: Prisms (EtOH)

Melting Point: Mp 44.5-45.5°

Boiling Point: Bp₁₅ 277°

>> **Derivative:** Bis(2-methoxyethyl) ester

Synonym(s): Bis(2-methoxyethyl) phthalate. Dimethyl glycol phthalate. DMEP. DMGP. DMOP

CAS Registry Number: 117-82-8

Molecular Formula: C₁₄H₁₈O₆

Molecular Weight: 282.293

Accurate Mass: 282.11034

Percentage Composition: C 59.57%; H 6.43%; O 34.01%

Use/Importance: Plasticiser for cellulose acetate

Physical Description: Liq.

Melting Point: Mp -60°. Mp -45°

Boiling Point: Bp 340°. Bp₁₂ 214°

Solubility: Insol. H₂O

Density: d₂₀²⁰ 1.172

Refractive Index: n_D²⁰ 1.5025

Fluka: 80050