



Boiling Point: Bp₄ 180°

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

CAS Registry Number: 6422-86-2

Molecular Formula: C₂₄H₃₈O₄

Molecular Weight: 390.562

Accurate Mass: 390.27701

Percentage Composition: C 73.81%; H 9.81%; O 16.39%

Use/Importance: Plasticiser for PVC

Melting Point: Mp 30-34°

Boiling Point: Bp 383°. Bp 400°

Density: d²⁰ 0.98

Aldrich: 36863-6

>>**Derivative:** Mono-Ph ester

CAS Registry Number: 20576-83-4

Molecular Formula: C₁₄H₁₀O₄

Molecular Weight: 242.231

Accurate Mass: 242.05791

Percentage Composition: C 69.42%; H 4.16%; O 26.42%

Physical Description: Plates (EtOH aq.)

Melting Point: Mp 238-240°

>>**Derivative:** Di-Ph ester

Synonym(s): Diphenyl terephthalate

CAS Registry Number: 1539-04-4

Molecular Formula: C₂₀H₁₄O₄

Molecular Weight: 318.328

Accurate Mass: 318.08921

Percentage Composition: C 75.46%; H 4.43%; O 20.10%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 191°

>>**Derivative:** Dibenzyl ester

CAS Registry Number: 19851-61-7

Molecular Formula: C₂₂H₁₈O₄

Molecular Weight: 346.382

Accurate Mass: 346.12051

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

Melting Point: Mp 96.5-97°

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

Synonym(s): BHET

CAS Registry Number: 959-26-2

Molecular Formula: C₁₂H₁₄O₆

Molecular Weight: 254.239

Accurate Mass: 254.07904

Percentage Composition: C 56.69%; H 5.55%; O 37.76%

Use/Importance: Intermediate to poly(ethylene)terephthalate

Physical Description: Cryst. (H₂O)

Melting Point: Mp 109-110°