



Accurate Mass: 474.37091
Percentage Composition: C 75.90%; H 10.62%; O 13.48%
Biological Source: Reported as a nat. prod. isol. from the red alga *Acantophora spicifera*

>>**Derivative:** Decyl octyl ester
Synonym(s): Decyl octyl phthalate

CAS Registry Number: 119-07-3
Molecular Formula: C₂₆H₄₂O₄
Molecular Weight: 418.615
Accurate Mass: 418.30831
Percentage Composition: C 74.60%; H 10.11%; O 15.29%
Use/Importance: Plasticiser
Physical Description: Liq.
Melting Point: Mp -28°
Boiling Point: Bp₅ 250°

>>**Derivative:** Didecyl ester
Synonym(s): Didecyl phthalate. DDP

CAS Registry Number: 84-77-5
Molecular Formula: C₂₈H₄₆O₄
Molecular Weight: 446.669
Accurate Mass: 446.33961
Percentage Composition: C 75.29%; H 10.38%; O 14.33%
Use/Importance: Plasticiser, esp. for vinyl resins
Physical Description: Liq.
Melting Point: Mp 2-4°
Boiling Point: Bp₅ 261°
Solubility: Insol. H₂O
Density: d₂₀²⁰ 0.967

>>**Derivative:** Diisodecyl ester
Synonym(s): Diisodecyl phthalate. DIDP

CAS Registry Number: 26761-40-0
Molecular Formula: C₂₈H₄₆O₄
Molecular Weight: 446.669
Accurate Mass: 446.33961
Percentage Composition: C 75.29%; H 10.38%; O 14.33%
Source/Synthesis: Synth. from a mixt. of isomeric C₁₀ alcohols prod. by the oxo process
Use/Importance: Plasticiser for PVC
Physical Description: Involatile liq.
Melting Point: Mp -50°
Boiling Point: Bp₄ 250-257°
Solubility: Insol. H₂O; sol. most org. solvs.
Density: d₂₀²⁰ 0.966
Refractive Index: n_D²⁰ 1.4830
Fluka: 80135

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

CAS Registry Number: 3648-20-2
Molecular Formula: C₃₀H₅₀O₄
Molecular Weight: 474.723
Accurate Mass: 474.37091
Percentage Composition: C 75.90%; H 10.62%; O 13.48%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 35.5°