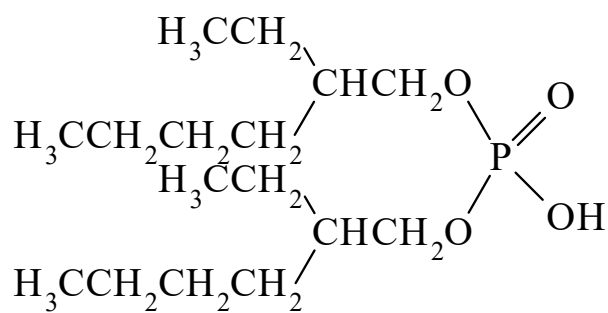




>>Entry Name: Bis(2-ethylhexyl) phosphate

Synonym(s): Di(2-ethylhexyl)phosphoric acid. HDEHP



CAS Registry Number: 298-07-7

Related CAS Registry Numbers(s): 141-65-1

Molecular Formula: C₁₆H₃₅O₄P

Molecular Weight: 322.424

Accurate Mass: 322.227297

Percentage Composition: C 59.60%; H 10.94%; O 19.85%; P 9.61%

General Statement: Liquid cation-exchanger

Use/Importance: Used as C₆H₆ or hexane soln. in extraction-separation of Au, Hg, Th, Ti, U; as solvating agent

Physical Description: Viscous liq.

Boiling Point: Bp_{0.015} 155°

Solubility: Sol. C₆H₆, hexane, 4-methyl-2-pentanone; sl. sol. H₂O

Density: d₂₅ 0.975

pKa Value: pK_a 1.4

Hazard & Toxicity: Eye and skin irritant. LD₅₀ (rat, orl) 4940 mg/kg

Aldrich: 23782-5

Fluka: 14500

Sigma: D1509

References:

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