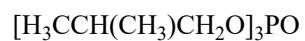




>>Entry Name: Tris(2-methylpropyl) phosphate, 9Cl

Synonym(s): Triisobutyl phosphate, 8Cl

CAS Registry Number: 126-71-6



Molecular Formula: $\text{C}_{12}\text{H}_{27}\text{O}_4\text{P}$

Molecular Weight: 266.317

Accurate Mass: 266.164697

Percentage Composition: C 54.12%; H 10.22%; O 24.03%; P 11.63%

Use/Importance: Catalyst for polymerisation. Extractant for transuranic metals

Physical Description: Liq.

Boiling Point: Bp 264°. Bp₂₀ 150°. Bp₁₀ 138°

Refractive Index: n_{D}^{20} 1.4193

Hazard & Toxicity: Fl. p. 135° (oc)

Fluka: 92035

Rare Chemicals Library: S86129-4

References:

Evans, D.P. *et al.*, *J.C.S.*, 1930, 1310, (*synth*)

Frank, A.W. *et al.*, *J.O.C.*, 1966, **31**, 872, (*synth*)

Donaldson, B. *et al.*, *Can. J. Chem.*, 1972, **50**, 2111, (*pmr*)

Laskorin, B.N. *et al.*, *Radiokhimiya*, (*Engl. transl.* p. 147), 1984, **26**, 161, (*ir, use*)