



>>Entry Name: Tri(decyl) phosphite, 9CI, 8CI

Synonym(s): Tris(decyl) phosphite

CAS Registry Number: 2929-86-4

$\text{P}[\text{O}(\text{CH}_2)_9\text{CH}_3]_3$

Molecular Formula: $\text{C}_{30}\text{H}_{63}\text{O}_3\text{P}$

Molecular Weight: 502.8

Accurate Mass: 502.451482

Percentage Composition: C 71.66%; H 12.63%; O 9.55%; P 6.16%

Physical Description: Liq.

Boiling Point: Bp_3 254-255°. $\text{Bp}_{0.1}$ 180°

Refractive Index: n_D^{20} 1.4557

Hazard & Toxicity: Fl. p. 235° (oc)

Other: PB T21165

References:

Petrov, K.A. *et al.*, *Zh. Obshch. Khim.*, 1963, **33**, 899; *J. Gen. Chem. USSR (Engl. Transl.)*, 1963, **33**, 885, (*synth*)