



>>Entry Name: Tri-2-propenyl phosphite, 9CI

Synonym(s): Triallyl phosphite

CAS Registry Number: 102-84-1

$(\text{H}_2\text{C}=\text{CHCH}_2\text{O})_3\text{P}$

Molecular Formula: $\text{C}_9\text{H}_{15}\text{O}_3\text{P}$

Molecular Weight: 202.189

Accurate Mass: 202.075882

Percentage Composition: C 53.46%; H 7.48%; O 23.74%; P 15.32%

Use/Importance: Employed in synth. of fire retardants

Physical Description: Liq.

Boiling Point: Bp_9 85-86°

Density: d_4^{20} 1.05

Other Data: n_D^{20} 1.4596

References:

Kamai, G., *CA*, 1957, **51**, 6503, (*synth*)

Clark, P.W. *et al.*, *Can. J. Chem.*, 1974, **52**, 1714, (*pmr*, *P-31 nmr*)

Verstuyft, A.W. *et al.*, *Inorg. Chem.*, 1976, **15**, 732, (*cmr*)