



>>Entry Name: Diethyl benzylphosphonate

Synonym(s): Diethyl (phenylmethyl)phosphonate, 9CI

CAS Registry Number: 1080-32-6

Related CAS Registry Numbers(s): 106788-89-0

$\text{PhCH}_2\text{P}(\text{O})(\text{OEt})_2$

Molecular Formula: $\text{C}_{11}\text{H}_{17}\text{O}_3\text{P}$

Molecular Weight: 228.227

Accurate Mass: 228.091532

Percentage Composition: C 57.89%; H 7.51%; O 21.03%; P 13.57%

Use/Importance: Important Wittig-Horner reagent for synth. of styrenes and similar phenylethenes

Physical Description: Oily liq.

Boiling Point: Bp_{25} 172°. $\text{Bp}_{0.2}$ 124-126°. $\text{Bp}_{0.1}$ 91-92°

Refractive Index: n_{D}^{20} 1.4960

Aldrich: D9107-1

References:

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