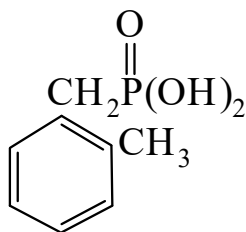




>>Entry Name: [(2-Methylphenyl)methyl]phosphonic acid, 9CI

Synonym(s): *o*-Methylbenzylphosphonic acid



CAS Registry Number: 18896-56-5

Molecular Formula: C₈H₁₁O₃P

Molecular Weight: 186.147

Accurate Mass: 186.044582

Percentage Composition: C 51.62%; H 5.96%; O 25.79%; P 16.64%

>>Derivative: Di-Et ester

Synonym(s): Diethyl [(2-methylphenyl)methyl]phosphonate

CAS Registry Number: 62778-16-9

Molecular Formula: C₁₂H₁₉O₃P

Molecular Weight: 242.254

Accurate Mass: 242.107182

Percentage Composition: C 59.50%; H 7.90%; O 19.81%; P 12.79%

Use/Importance: Wittig-Horner reagent

Physical Description: Liq.

Boiling Point: Bp_{0.2} 101-105°

References:

Ernst, L., *Org. Magn. Reson.*, 1977, **9**, 35, (*cmr, nmr*)

Franke, A. *et al.*, *Synthesis*, 1979, 712, (*synth, pmr, use*)

Bellucci, C. *et al.*, *Farmaco*, 1989, **44**, 1167, (*synth*)