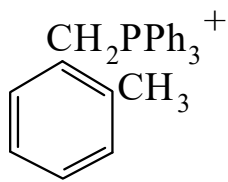




>>Entry Name: [(2-Methylphenyl)methyl]triphenylphosphonium(1+), 9Cl

Synonym(s): (2-Methylbenzyl)triphenylphosphonium(1+). Triphenyl-*o*-xylylphosphonium(1+)



Molecular Formula: C₂₆H₂₄P⁽⁺⁾

Molecular Weight: 367.449

Accurate Mass: 367.161562

Percentage Composition: C 84.99%; H 6.58%; P 8.43%

>>Derivative: Chloride

CAS Registry Number: 63368-36-5

Molecular Formula: C₂₆H₂₄ClP

Molecular Weight: 402.902

Accurate Mass: 402.130414

Percentage Composition: C 77.51%; H 6.00%; Cl 8.80%; P 7.69%

Use/Importance: Exhibits antitrypanosomal activity. Source of ylide

Physical Description: Cryst. (Me₂CO or EtOH)

Melting Point: Mp 279-281°

Rare Chemicals Library: S62676-7

>>Derivative: Bromide

CAS Registry Number: 1530-36-5

Molecular Formula: C₂₆H₂₄BrP

Molecular Weight: 447.353

Accurate Mass: 446.099898

Percentage Composition: C 69.81%; H 5.41%; Br 17.86%; P 6.92%

Use/Importance: Source of ylide

Physical Description: Solid

Melting Point: Mp 253-255 dec.°

>>Derivative: Ylide

Synonym(s): [(2-Methylphenyl)methylene]triphenylphosphorane. *o*-Methylbenzylidenetriphenylphosphorane

CAS Registry Number: 59659-68-6

Molecular Formula: C₂₆H₂₃P

Molecular Weight: 366.441

Accurate Mass: 366.153737

Percentage Composition: C 85.22%; H 6.33%; P 8.45%

Use/Importance: Used in Wittig reactions

References:

Griffin, C.E. *et al.*, *J. Organomet. Chem.*, 1965, **3**, 414, (*bromide, pmr*)

Francis, G.W., *Acta Chem. Scand.*, 1972, **26**, 2969, (*use*)

James, B.G. *et al.*, *J.C.S. Perkin 1*, 1974, 1195, (*use*)

Seyferth, D. *et al.*, *J.A.C.S.*, 1975, **97**, 7417, (*ylide*)

Yamato, M. *et al.*, *Chem. Pharm. Bull.*, 1977, **25**, 706, (*chloride, use*)

Lapouyade, R. *et al.*, *J.O.C.*, 1982, **47**, 1361, (*use*)