



>>Entry Name: (Iodomethyl)triphenylphosphonium(1+)

Related CAS Registry Numbers(s): 98822-67-4 110428-39-2

$\text{Ph}_3\text{P}^{(+)}\text{CH}_2\text{I}$

Molecular Formula: $\text{C}_{19}\text{H}_{17}\text{IP}^{(+)}$

Molecular Weight: 403.221

Accurate Mass: 403.01126

Percentage Composition: C 56.60%; H 4.25%; I 31.47%; P 7.68%

>>Derivative: Iodide

CAS Registry Number: 3020-28-8

Molecular Formula: $\text{C}_{19}\text{H}_{17}\text{I}_2\text{P}$

Molecular Weight: 530.126

Accurate Mass: 529.915733

Percentage Composition: C 43.05%; H 3.23%; I 47.88%; P 5.84%

Physical Description: Needles

Melting Point: Mp 240 dec.°

References:

Scherfise, K.D. *et al.*, *Z. Naturforsch., B*, 1985, **40**, 906, (*synth, ir, cryst struct*)

Stahl, K. *et al.*, *J. Organomet. Chem.*, 1986, **316**, 85, (*synth*)

Li, S. *et al.*, *Chem. Ber.*, 1990, **123**, 1441, (*use*)

Vogt, H. *et al.*, *Z. Naturforsch., B*, 1993, **48**, 1760, (*synth, ms, P-31 nmr, cryst struct*)

Lauritsen, K. *et al.*, *Z. Anorg. Allg. Chem.*, 1994, **620**, 1103, (*iodide, P-31 nmr, reactions*)