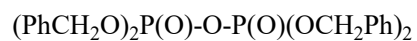




>>Entry Name: Tetrabenzyl diphosphate

Synonym(s): Tetrakis(phenylmethyl) diphosphate, 9Cl. Tetrabenzyl pyrophosphate, 8Cl

CAS Registry Number: 990-91-0



Molecular Formula: $\text{C}_{28}\text{H}_{28}\text{O}_7\text{P}_2$

Molecular Weight: 538.472

Accurate Mass: 538.131029

Percentage Composition: C 62.46%; H 5.24%; O 20.80%; P 11.50%

Use/Importance: Useful phosphorylating agent for alcohols and amines

Physical Description: Needles (cyclohexane or C_6H_6 /petrol)

Melting Point: Mp 62°

Other Data: Easily hydrolysed

Aldrich: 41863-3

Fluka: 86740

References:

Atherton, F.R. *et al.*, *J.C.S.*, 1947, 674, (*synth*)

Mason, H.S. *et al.*, *J.C.S.*, 1951, 2267, (*synth*)

Corby, N.S. *et al.*, *J.C.S.*, 1952, 1234, (*synth*)

Kenner, G.W. *et al.*, *J.C.S.*, 1956, 1231, (*synth*)

Atkinson, R.E. *et al.*, *J.C.S.(C)*, 1967, 1356, (*synth, props*)