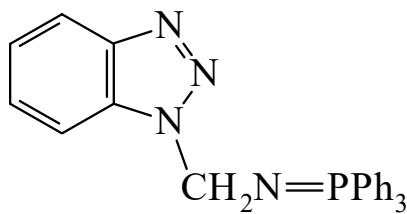




>>Entry Name: 1-[(Triphenylphosphoranylideneamino)methyl]-1*H*-benzotriazole



CAS Registry Number: 124316-00-3

Molecular Formula: C₂₅H₂₁N₄P

Molecular Weight: 408.441

Accurate Mass: 408.150383

Percentage Composition: C 73.52%; H 5.18%; N 13.72%; P 7.58%

Use/Importance: Novel CH₂⁽⁺⁾N= equivalent. Appl. to synth. of carbodiimides, imines, isothiocyanates, aziridines, *sec*-amines and trisubstituted imidazoles

Physical Description: Solid

Melting Point: Mp 99-101°

Aldrich: 44693-9

References:

Katritzky, A.R. *et al.*, *Tet. Lett.*, 1989, **30**, 3303, (*use*)

Katritzky, A.R. *et al.*, *Heterocycles*, 1990, **31**, 2187, (*use*)

Katritzky, A.R. *et al.*, *Synthesis*, 1990, 565, (*synth, pmr, cmr, use*)