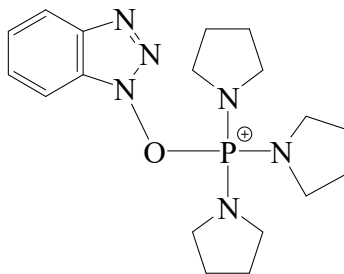




>>Entry Name: (1-Hydroxy-1H-benzotriazolato-*O*)tri-1-pyrrolidinyolphosphonium(1+), 9Cl

Synonym(s): Benzotriazol-1-yloxytripyrrolidinophosphonium



Molecular Formula: C₁₈H₂₈N₆OP⁽⁺⁾

Molecular Weight: 375.433

Accurate Mass: 375.206221

Percentage Composition: C 57.59%; H 7.52%; N 22.38%; O 4.26%; P 8.25%

>>Derivative: Hexafluorophosphate

CAS Registry Number: 128625-52-5

Molecular Formula: C₁₈H₂₈F₆N₆OP₂

Molecular Weight: 520.397

Accurate Mass: 520.170401

Percentage Composition: C 41.54%; H 5.42%; F 21.90%; N 16.15%; O 3.07%; P 11.90%

Use/Importance: Reagent for peptide coupling reactions

Melting Point: Mp 156-157° (dec.)

References:

Coste, J. *et al.*, *Tet. Lett.*, 1990, **31**, 205-208, (*hexafluorophosphate, synth, P-31 nmr, use*)

Coste, J. *et al.*, *Tet. Lett.*, 1991, **32**, 1967-1970, (*hexafluorophosphate, use*)

Rivero, I.A. *et al.*, *Synth. Commun.*, 1995, **25**, 2185-2188, (*hexafluorophosphate, synth*)