

Product Application Bulletin

DPPC AS A REAGENT FOR ACID ACTIVATION IN THE FORMATION OF AMIDES, β -LACTAMS AND PEPTIDES FROM SUITABLY PROTECTED AMINO ACIDS.

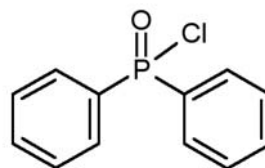
Chemical Name:

Diphenylphosphinic Chloride (DPPC)

CAS Registry Number:

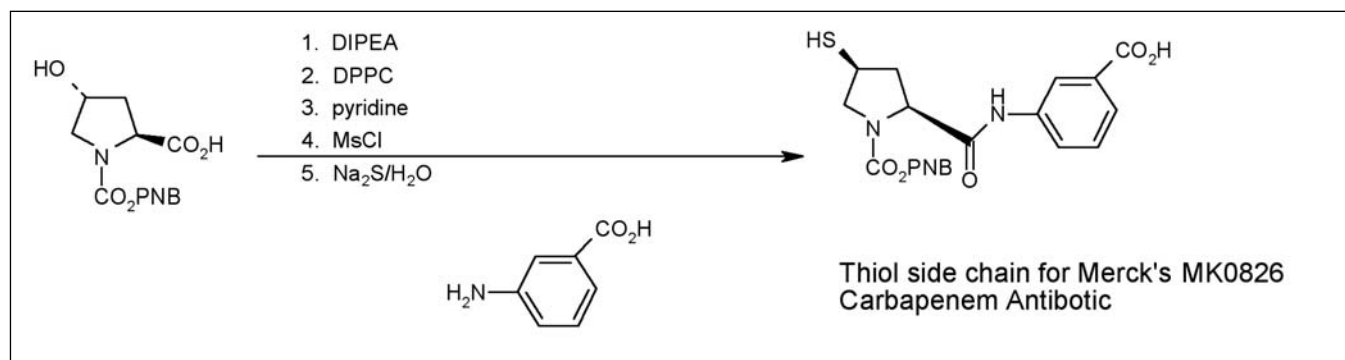
1499-21-4

Structure:



Examples / Use:

A. DPPC as a reagent for acid activation in amide formation.



Summary:

THERAPEUTIC AREA:

Use not associated with any specific therapeutic area.

FUNCTIONALITY:

Transformation Reagent:

- Reagent for acid activation in the formation of amides, β -lactams and peptides from suitably protected amino acids.
- Amine protecting agent in peptide synthesis. Intermediate for formation of diphenyl alkyl and aryl phosphine oxides.

References:

- A. US 5,872,250 (1999)
- B. J. Chem. Soc. Perkin Trans. I, 461 (1985)
- C. J. Chem. Soc., Chem. Commun., 1242 (1988)
- D. J. Chem. Soc. Perkin Trans I, 1357 (1984)
- E. US 5,130,306 (1992)
- F. J. Org. Chem. 51, 629, (1986)

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