

Synthesis and molecular structure of 2,2,6,9-tetramethyl-4, 11-diphenyl-4,5,10,11-tetraaza-1,3-diphosphatricyclo[6.3.0.0^{3,7}] undeca-5,9-diene

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Abstract

1. The reaction of 2-phenyl-5-methyl-1,2,3-diazaphosphole with diazapropane yields the first example of the cycloaddition of a phosphorus diylide at the dicoordinated phosphorus P=C bond. 2. X-ray structural analysis unequivocally indicated the structure of the product of this reaction and gave its molecular geometry. © 1983 Plenum Publishing Corporation.

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