6-Phenyldibenzo[b,d]phosphinine

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Z. Naturforsch. 58b, 782 – 786 (2003); received April 14, 2003

The title compound (2b) was obtained in 7 steps from 2-phenylbenzhydrol (5). The phenyl substituent of 2b confers thermal stability to the [5]phosphaphenanthrene system by steric protection; in addition, conjugative interaction is revealed by the UV spectrum. The analogy to the corresponding arenes is briefly discussed.

Key words: Aromatic Phosphorus Heterocycles, UV Spectroscopy