

Preparation and NMR study of phosphorus-fluorine compounds undergoing intramolecular exchange. Part 1. (Benzylmethylamino)fluorophosphoranes. Peake, Stephen C.; Hewson, Michael J. C.; Schlak, Ottfried; Schmutzler, Reinhard; Harris, Robin K.; Wazeer, Mohamed I. M.. Dep. Chem., Univ. Technol., Loughborough/Leicestershire, UK. Phosphorus and Sulfur and the Related Elements (1978), 4(1), 67-77.

Abstract

Benzylmethylamino-substituted fluorophosphoranes $\text{PhCH}_2(\text{Me})\text{NPF}_4\text{-nR}_n$ (R = Me, Ph; n = 0, 1, 2) were prepd. from the cleavage of the Si-N bond in $(\text{PhCH}_2)\text{MeNSiMe}_3$ by fluorophosphoranes. The structures of the new compds. are deduced from ^1H , ^{19}F and ^{31}P NMR.