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## Phosphorus, Sulfur, and Silicon and the Related Elements

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## Polycyclic Phosphorus-Containing Oxaboracyclanes

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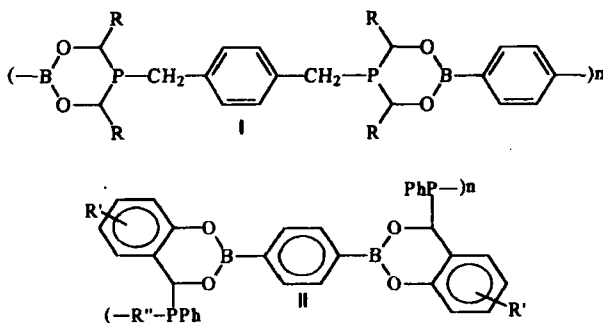
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## Polycyclic Phosphorus-Containing Oxaboracyclanes

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The oligomers consisting of regularly repeating heterocyclic fragments were synthesized by the reaction of polycondensation of the ether of p-phenylenediboric acid and tetraoxymethyloldiphosphines obtained from the different diphosphines and aldehydes. The compounds with endocyclic phosphorus atom (I) were obtained in case of using the aliphatic aldehydes, and the compounds with exocyclic phosphorus-containing group (II) were obtained when using the hydroxyaldehydes.



The data of viscosimetry of these compounds testify in favour of their oligomeric structure. The molecular weights equal to 12-13 elementary links were established by the method of ebullioscopy. The oligomers keep a typical for the corresponding monomers, obtained first, reactivity and space structure of structural fragments which are stipulated by the intramolecular non-valent interactions.