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

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### Phosphorus Compounds of Polyols. Unusual Equilibria Connecting Bicyclic Phosphites and Polycyclic Phosphoranes

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# PHOSPHORUS COMPOUNDS OF POLYOLS. UNUSUAL EQUILIBRIA CONNECTING BICYCLIC PHOSPHITES AND POLYCYCLIC PHOSPHORANES

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Threitol or (and) xylitol react with hexamethylphosphorus triamide giving bicyclic phosphites 1, 2, whose structure has been established by NMR spectroscopy. These compounds undergo, at 60°C, fast oligomerisation leading, particularly, to polycyclic phosphoranes 3, 4. In presence of diethylamine 3, 4 give again phosphites 1, 2.

