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## Crown Ethers with Exocyclic Organophosphorus Groups

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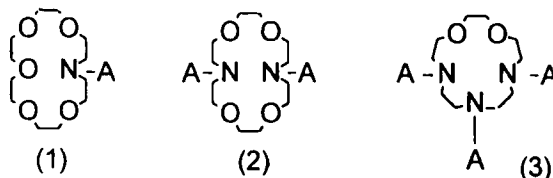
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## Crown Ethers with Exocyclic Organophosphorus Groups

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In this report is adduced all data on synthesis, structure, chemical and complexing properties, practical aspects of using the crown ethers with exocyclic organophosphorus groups. The first articles on this class compounds was published in 1974. After 1988 [1] was published more than 100 papers which are discussed in this report. Also in this paper is included the author's published and non published data on syntheses, structure, chemical properties, toxic and biological activity the exocyclic organophosphorus derivatives of various aza-crown ethers (1-3) [2-4].



$A = (AlkO)_2P(X)NHC(Y), (AlkO)_2P(X), (AlkO)_2P(S)S, X, Y=O, S$

The compounds (1-3), where  $A=(RO)_2P(X)NHC(S)$  open the new series of compounds which connect the "soft" and "hard" metal ions simultaneously.

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