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13. ABSTRACT (Maximum 200 words) <p>Ten new analogues of 5-chloro-8-hydroxyquinolin-7-ylmethyl- and -5-chloro-8-hydroxyquinolin-2-ylmethyl-substituted diaza-18-crown-6 ethers <b>1</b> and <b>2</b>, respectively (Figure 1) were synthesized <i>via</i> a one-pot or stepwise Mannich reaction, reductive amination, or by reacting diaza-18-crown-6 with 5,7-dichloro-2-iodomethyl-8-quinolinol in the presence of <i>N,N</i>-diisopropylethylamine (Schemes 1 and 2). The Mannich reaction of <i>N,N'</i>-bis(methoxymethyl)diaza-18-crown-6 with 4-chloro-2-(1<i>H</i>-pyrazol-3-yl)phenol gave the -NCH<sub>2</sub>N-linked bis(3-(5-chloro-2-hydroxy)pyrazol-1-ylmethyl)-substituted diazacrown ether (<b>14</b>) in a 98% yield. The reaction of bis-<i>N,N'</i>-methoxymethyldiaza-18-crown-6 with 2.2 equivalents of 10-hydroxybenzoquinoline gave only the monosubstituted diazacrown ether ligand (<b>8</b>). The yields of the new products are given in the schemes.</p>			
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**Synthesis of Novel 8-Hydroxyquinoline-Containing Diaz-18-Crown-6 Ligands  
and Analogues**

by

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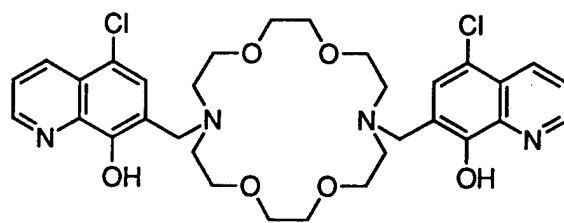
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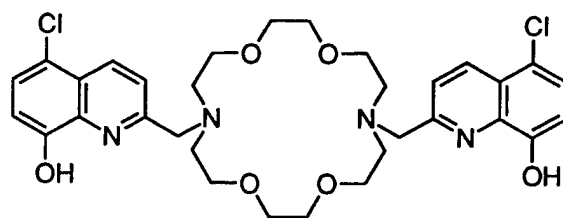
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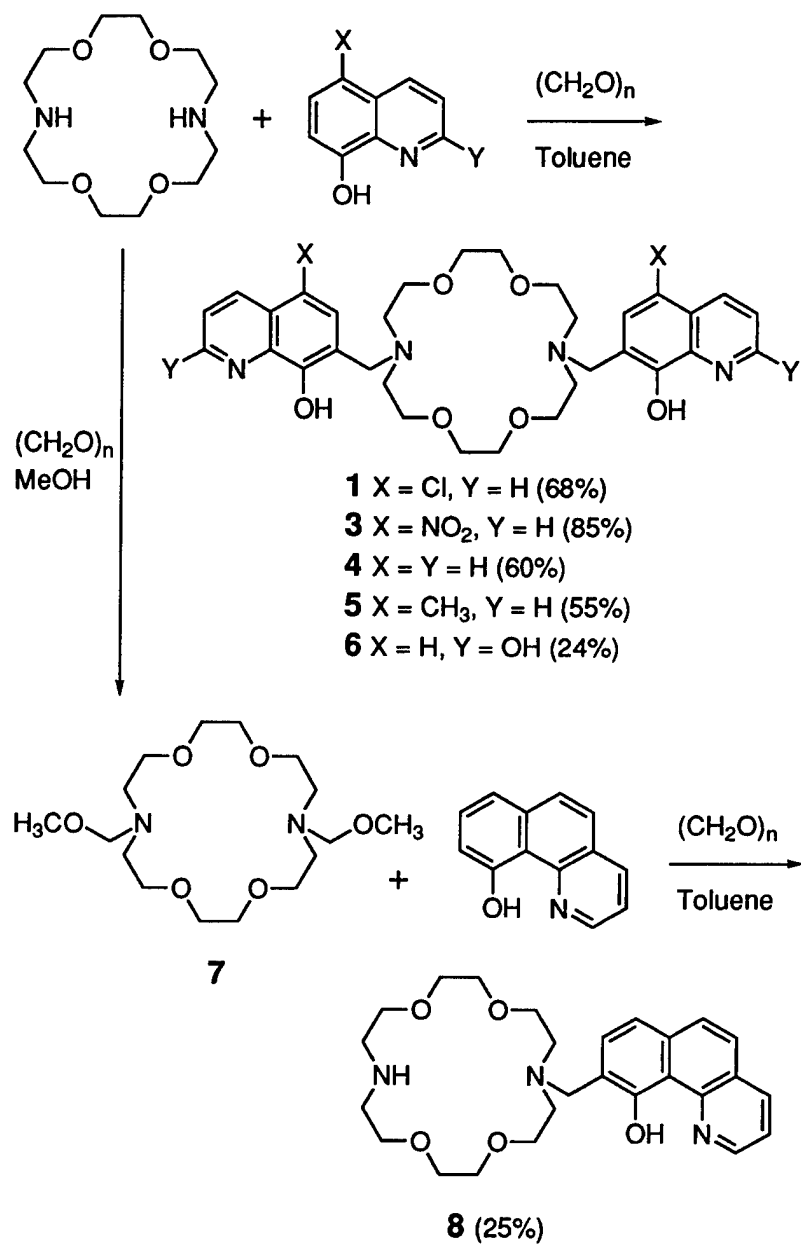


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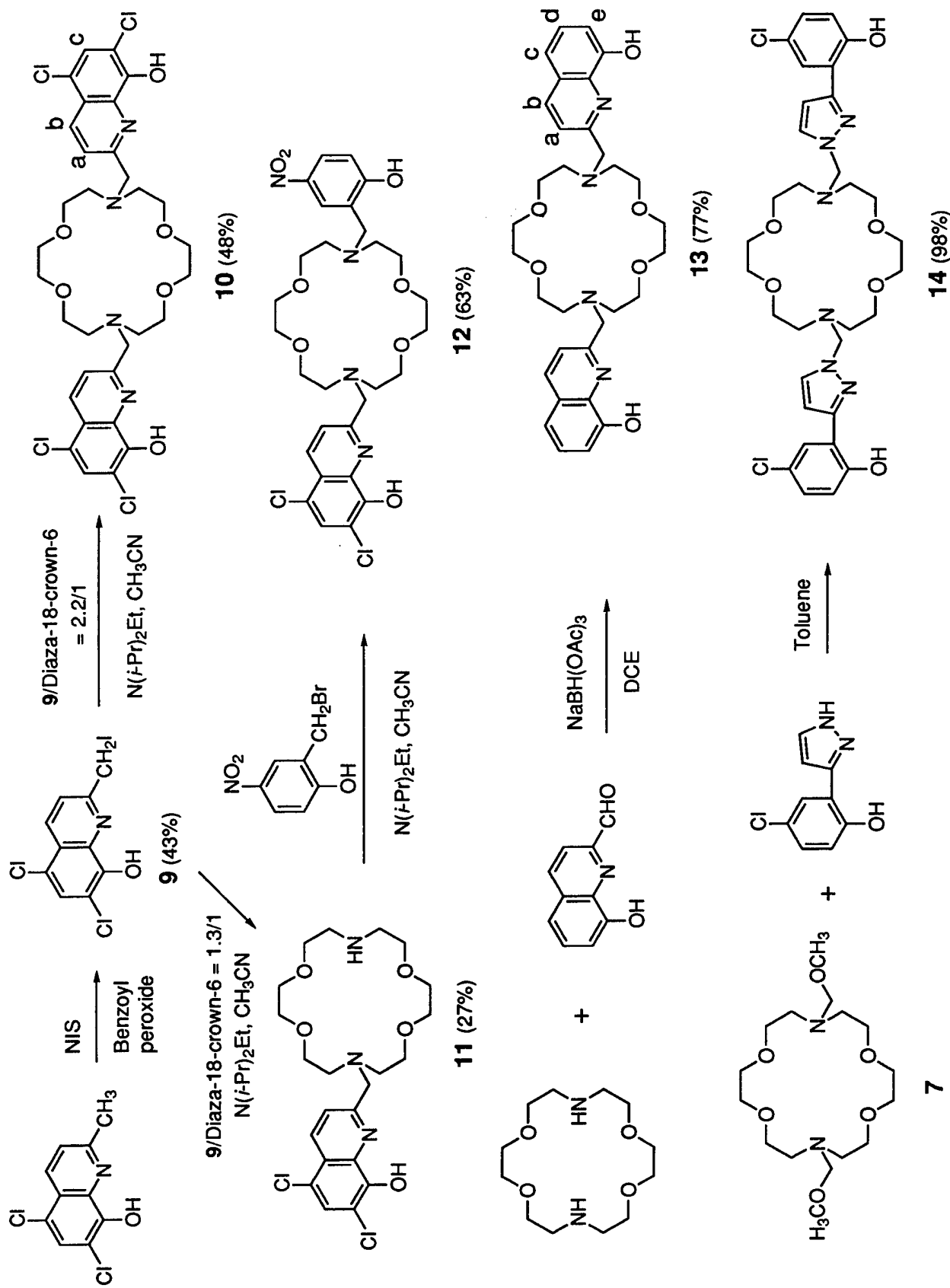


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Figure 1. 5-Chloro-8-hydroxyquinoline (CHQ)-substituted Diaza-18-crown-6 Ligands 1 and 2



Scheme 1. Syntheses of CHQ-7-ylmethyl-substituted Analogues of **1** and Related Ligand **8**



Scheme 2. Efficient Syntheses of Analogues of CHQ-2-ylmethyl-substituted **2** and Related Ligand **14**