

## Interaction of 1,6-anhydro derivatives of amino sugars with copper(II) ions.

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The synthesis of 2-amino-1,6-anhydro-2-deoxy-4-O-methyl- $\beta$ -d-mannopyranose (**3**) is described. Potentiometric and spectroscopic methods were used to evaluate the equilibria and the complex structures in systems containing Cu(II) ions and **3**, and two other 1,6-anhydro derivatives. The results showed that no mannosamine derivative is able to form dimeric species found earlier for 1,6-anhydro-glucosamine ligands. The correlation between complex formation and sugar structure is discussed.

### Adres publiczny

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