

## **Synthesis, transport, and ionophoric properties of $\alpha,\omega$ -diphosphorylated aza podands: IV. Induced membrane transport of alkali and alkaline-earth metal ions**

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### **Abstract**

Membrane transport of alkali and alkaline-earth metal ions by polyether podands containing terminal  $\alpha$ -(phosphinoylalkylamino) fragments is studied. Some features of the relationship between the structure of the polyether bridge and substituents at the phosphorus atom, on the one hand, and transport properties of the carrier, on the other, are revealed. Transport efficiency is found to tend to correlate with transported ion size and distance between carrier donor centers. © 2008 MAIK Nauka.

<http://dx.doi.org/10.1134/S107036320806011X>

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