

## **Synthesis, transport, and ionophore properties of $\alpha,\omega$ -bisphosphorylated azapodands: IX. Extraction of metal ions with quasiliquid emulsions on the basis of N,N'-bis(dioctylphosphorylmethyl)-1,8-diamino-3, 6-dioxaoctane and acidic components**

Garifzyanov A., Leont'Eva S., Davletshina N., Davletshin R., Cherkasov R.  
*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### **Abstract**

Processes of extraction of ions of the I-IV group metals from acidic water solutions with paraffin quasiliquid emulsions containing neutral phosphorylazapodand, bis(dioctylphosphorylmethyl)-1,8-diamino-3,6-dioxaoctane I, and acidic components, bispentadecylphosphoric II and hexadecylsulfonic acid III is studied. High effectiveness of extraction of metal ions with these extraction compositions is established. It significantly exceeds the effectiveness of liquid extraction in the same systems, especially of ions of the II group metals. The extraction of three-charged ions proceeds more effectively by the mixture of organophosphorus reagents I and II, than with the composition consisting of azapodand I and organosulfur acid III. © 2013 Pleiades Publishing, Ltd.

<http://dx.doi.org/10.1134/S1070363213120128>

---