

Chiral cryptates derived from a hexaazamacrocycle.

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Streszczenie

The reactions of hexaazamacrocycle **1** with 2,6-bis(bromomethyl)pyridine or 2,6-bis[(tosyloxy)methyl]pyridine in the presence of appropriate carbonates result in the formation of derivatives of cryptand **6**: enantiopure azacryptates of sodium and potassium. Crystal structures of these compounds indicate interaction of a metal ion with four pyridine nitrogen atoms and four tertiary amine atoms. The competition reactions monitored by NMR spectroscopy indicate preferential binding of Na⁺ over K⁺ as well as higher affinity of **6** for Na⁺ in comparison with the [2.2.1] cryptand.

Adres publiczny

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Strona internetowa wydawcy

<https://www.acs.org/content/acs/en.html>