Potassium thiocyanate complex of 1,4,7,10,13,16-hexaoxyacyclooctadecane

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Short Structural Paper

Potassium Thiocyanate Complex of 1, 4, 7, 10, 13, 16-Hexaoxacyclooctadecane

by

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Abstract. $\text{C}_{12}\text{H}_{24}\text{O}_6\cdot\text{KNCS}$. Monoclinic, $P2_1/c$, $a = 8.190(4)$, $b = 14.285(7)$, $c = 7.775(4)$ Å, $\beta = 99.19(10)^\circ$, $M = 361.50$, $Z = 2$, $D = 1.34$. The potassium ion occupies a crystallographic centre of symmetry and is coordinated to the six oxygen atoms of the hexa-ether, which has effective $D_3d^4(3m)$ symmetry. The thiocyanate anions are disordered and interact only weakly with the cations.