

Coordination compounds of sodium and potassium 4,6-dinitro-5,7-diamino benzofuroxan

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Abstract

For the first time the coordinating compounds of sodium and potassium of 4,6-dinitro-5,7-diaminobenzofuroxan were synthesized by the «assembly» method from 4,6-dinitro-5,7-dichlorobenzofuroxan, sodium bicarbonate (potassium) and ammonium chloride in aqueous medium. By elemental, X-ray diffraction, IR spectroscopy and differential scanning calorimetry we found out. The structure complexes of chelate type and their sensitivity to mechanical and thermal stress were studied.