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Thiosemicarbasidehidoroxyethylidenediphosphonic complex and its inhibitor characteristics

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Abstract

During the isothermal evaporation (25 °C) of water solution that contains 1-hydroxyethane-1,1diphosphone acid and tiocemicarbaside the authors could get a new complex combination of monohydrate [1hydroxyethane-1,1-diphosphonato(2-)]ditiocemicarbaside (tiosemikarbasidehydroxiethylenediphosphonic complex – TOC). Its structure and inhibitor characteristics were studied.