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Oxorhenium(V)-mediated syntheses and structures of oxypyridinium-ammonium zwitterions


of

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Chemistry

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**Abstract:** Treatment of N,N-bis(2-hydroxybenzyl)-2-(2-aminoethyl) dimethylamine (H<sub>2</sub>had) with trans-[ReO<sub>2</sub>(py)<sub>4</sub>]I in acetone affords the iodide salts of the oxypyridinium-ammonium zwitterions N<sup>1</sup>-(2-hydroxybenzyl)-N<sup>2</sup>,N<sup>2</sup>-dimethyl-N<sup>1</sup>-((2-oxypyridinium)-1- methyl)ethane-1,2-diamine [Hhpd]<sup>+</sup> and N<sup>2</sup>,N<sup>2</sup>-dimethyl-N<sup>1</sup>- bis((2-oxypyridinium)-1- methyl)ethane-1,2-diamine [dod]<sup>+</sup>. The products were characterized by X-ray structure analysis, and NMR and IR spectroscopy.

**Key Words:** Oxorhenium(V), oxypyridinium-ammonium, zwitterions.

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