

Russian Journal of General Chemistry 2013 vol.83 N6, pages 1087-1093

Acid-base and complexing properties of some δ -hydroxyalkenylphosphine oxides

Mironov V., Sal'nikov Y., Boos G., Tatarinov D., Nikitin A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Four new compounds, asymmetrical phosphine oxides containing 2-hydroxyphenylethenyl fragment in cis-orientation with respect to the phosphine oxide: dibutyl-, diphenyl-, dibenzyl-, and dinaphthyl-2-(2-hydroxy-5-chlorophenyl)-2-phenyl-ethenylphosphine oxides, have been studied in aqueous ethanol (80 vol % of EtOH) by means of potentiometry and spectrophotometry at 25 ± 0.1 C, and their acid-base and complexing properties estimated. © 2013 Pleiades Publishing, Ltd.

<http://dx.doi.org/10.1134/S1070363213060145>
