

Abstract

Two phosphinic acids were prepared: 1-hydroxy-ethan-1,1-bis[*N,N*-bis(karboxymethyl)aminomethyl]phosphinic acid; H_6L^1 and methylenebis[*N,N*-bis(karboxymethyl)aminomethyl]phosphinic acid; H_6L^2 .

Acid-base and complexation properties were studied by potentiometric titrations. Complexes of both ligands with Cu^{2+} ions were studied in detail using UV/VIS spectrometry.

Keywords:

Organophosphorus synthesis, bisphosphinic acids, coordination properties