

Disociación de ácidos orgánicos en mezclas de 2-propanol con agua a 25°C.

Estudio conductimétrico

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The dissociation constants of benzoic (HBz), 3-chlorobenzoic (ClHBz), 3-bromobenzoic (BrHBz), 3-nitrobenzoic (NHBz) and 3,5-dinitrobenzoic (dNHBz) acids in water+2-propanol mixture at 25°C were determined by the conductometric method of Gelb. The study shows that the dissociation order decrease as $dNHBz > NHBz > BrHBz = ClHBz > HBz$. Considering the Born equation modified with the Abe expression is observed that the pKa dependence with the permittivity is not sufficient to explain satisfactorily the ion-solvent interactions.