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Turkish Journal Determination of Structure-Toxicity Relationship of Amphiprotic Compounds by Means of the Inhibition of the Dehydrogenase Activity of Pseudomonas Putida of Şermin GÜL, Dilek ÖZTÜRK **Cukurova University, Faculty of Sciences and Letters** Chemistry Department of Chemistry, 01330 Adana-TURKEY Abstract: Aliphatic and aromatic alcohols are amphiprotic compounds which have both polar and nonpolar parts in their structure. These compounds were studied with respect to the nonreactive toxic **Keywords** effects on the microorganism {\it Pseudomonas putida}. The toxicity of these chemicals to aerobic Authors bacterium {it P. putida} was measured in terms of inhibition of dehydrogenase activity. The test results, expressed as concentration of chemicals 50% effective in inhibition (IC₅₀), were correlated with their physicochemical properties such as aqueous solubility (S) and octanol-water partition coefficient (P). Turk. J. Chem., 22, (1998), 341-350. Full text: pdf chem@tubitak.gov.tr Other articles published in the same issue: Turk. J. Chem., vol.22, iss.4. Scientific Journals Home Page