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Excellent and Convenient Procedures for Reduction of Benzene and Its Derivatives

of

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Aliye ALTUNDAŞ¹, Abdullah MENZEK^{2*}, Demet DEMİRCİ GÜLTEKİN² and Melek KARAKAYA²

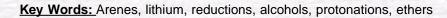
¹Department of Chemistry, Faculty of Arts and Sciences, Gazi University, 06500 Ankara-TURKEY

²Department of Chemistry, Faculty of Arts and Sciences, Atatürk University, 25240 Erzurum-TURKEY

e-mail: aaltundas@gazi.edu.tr; amenzek@atauni.edu.tr



<u>Abstract:</u> Reductions of benzene, toluene, ortho-xylene, cumene, anisole and benzoic acid to corresponding nonconjugated dienes were realized at room temperature by gas NH₃ and Li. The reduced products were easily isolated because THF and dioxane were dissolved in the water. The yields and conversions of the reactions were 70-89% and 80-100%, respectively.





chem@tubitak.gov.tr

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