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Please use this identifier to cite or link to this item: http://hdl.handle.net/123456789/2950 Title: Catalytic Friedel-Crafts acylation: magnetic nanopowder CuFe2O4 as an efficient and magnetically separable catalyst Authors: Parella, R. (/jspui/browse?type=author&value=Parella%2C+R.) Naveen (/jspui/browse?type=author&value=Naveen) Kumar, Amit (/jspui/browse?type=author&value=Kumar%2C+Amit) Babu, S.A. (/jspui/browse?type=author&value=Babu%2C+S.A.) Keywords: Acylation Friedel-Crafts reaction Catalysis CuFe2O4 Issue Date: 2013 Publisher: Elsevier Citation: Tetrahedron Letters, 54(13), pp.1738-1742. Abstract: Catalytic regioselective Friedel-Crafts acylation of an array of anisoles/arenes with various acid chlorides using 5-20 mol % of magnetic nanopowder CuFe2O4 is reported. Unlike the conventional Friedel-Crafts reactions, which are catalyzed by moisture sensitive homogeneous catalysts/promoters, the nanopowder CuFe2O4 catalyst is moisture insensitive and the product/ketone-catalyst isolation is easily achieved using the magnetic properties of CuFe2O4. URI: https://www.sciencedirect.com/science/article/pii/S0040403913001287 (https://www.sciencedirect.com/science/article/pii/S0040403913001287) http://hdl.handle.net/123456789/2950 (http://hdl.handle.net/123456789/2950) Appears in Research Articles (/jspui/handle/123456789/9)

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