Supporting Information

Facile one-pot synthesis of amidoalkyl naphthols and benzopyrans using magnetic nanoparticle-supported acidic ionic liquid as a highly efficient and reusable catalyst

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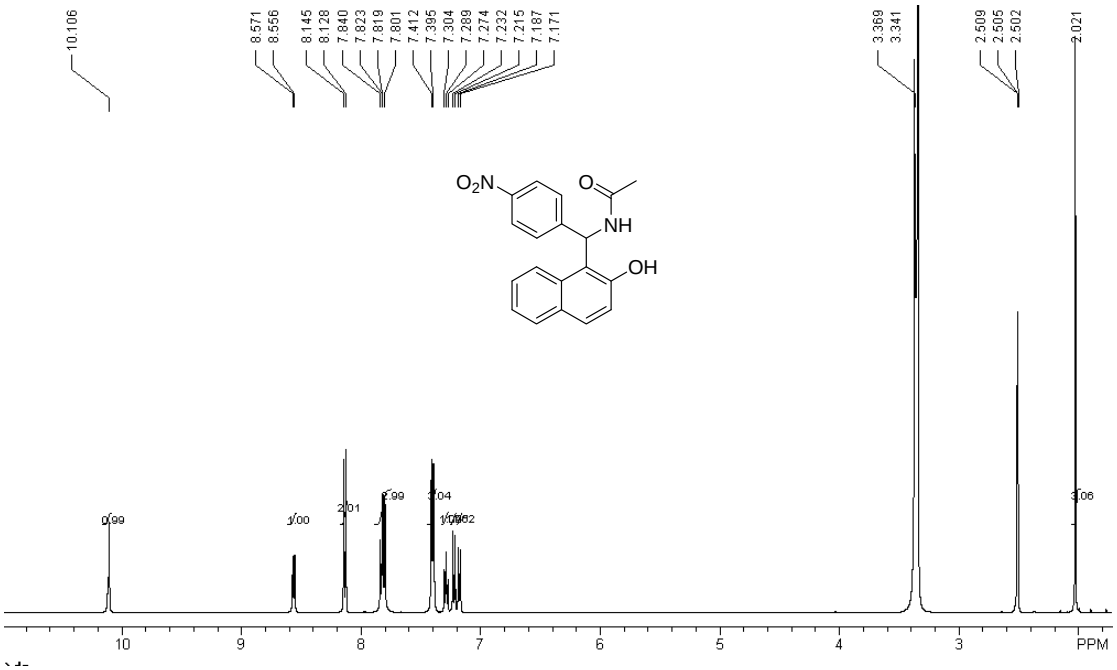
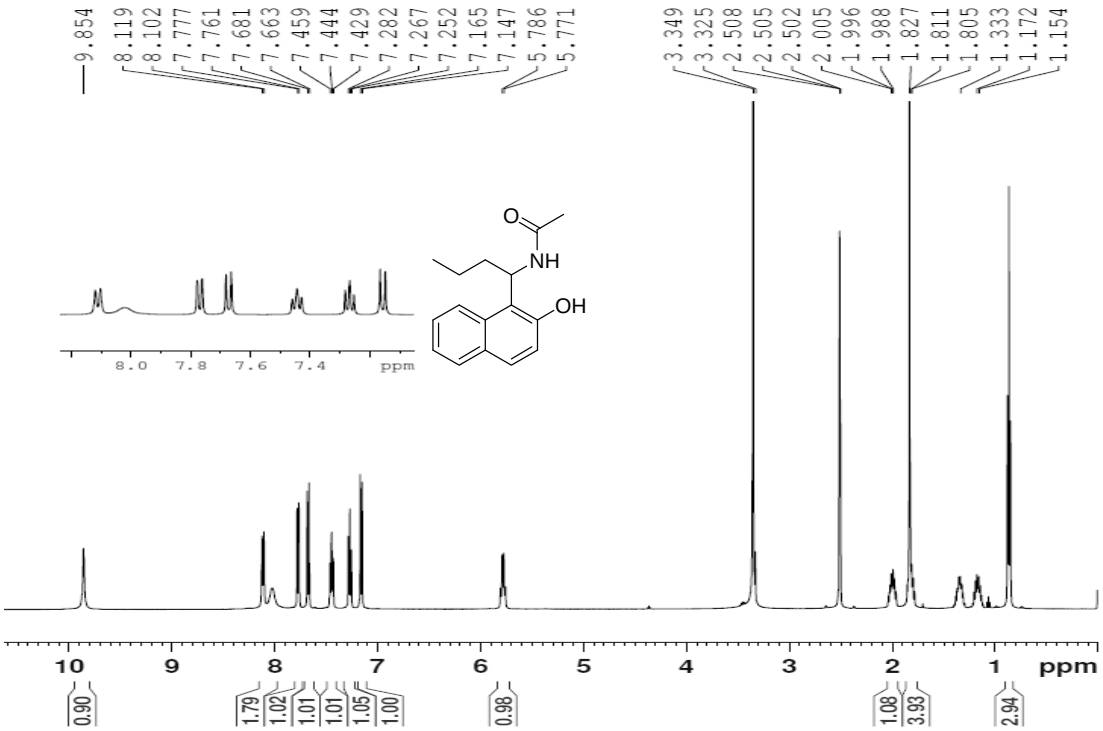
^{1}H NMR spectra of selected products

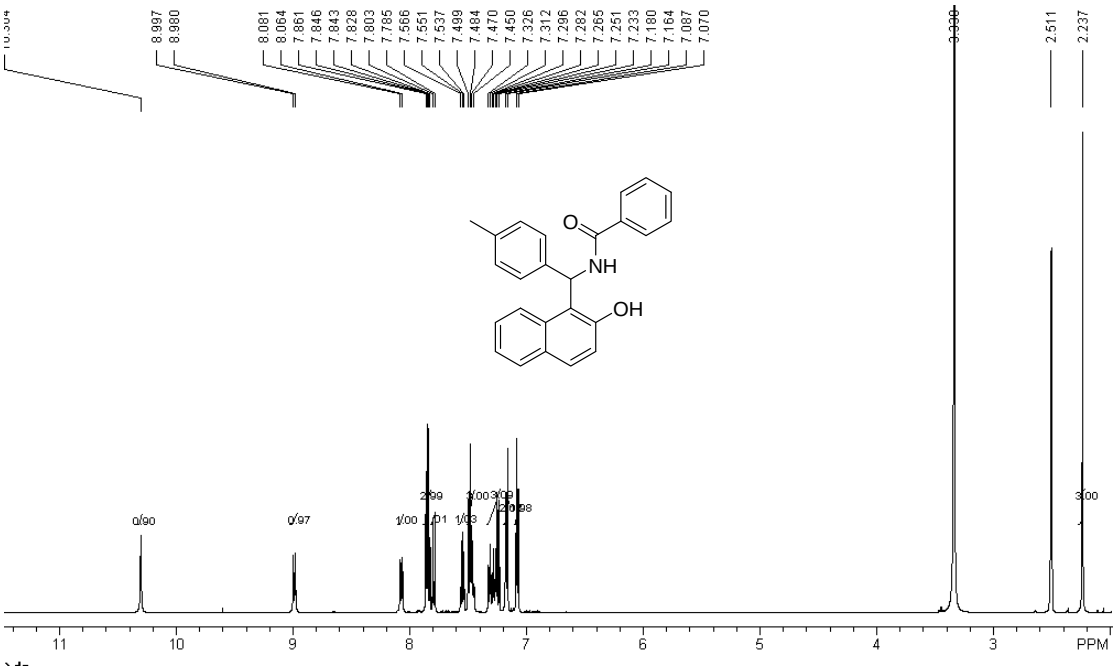
N-((2-hydroxynaphthalen-1-yl)(4-nitrophenyl)methyl)acetamide (Table 2, entry 2)



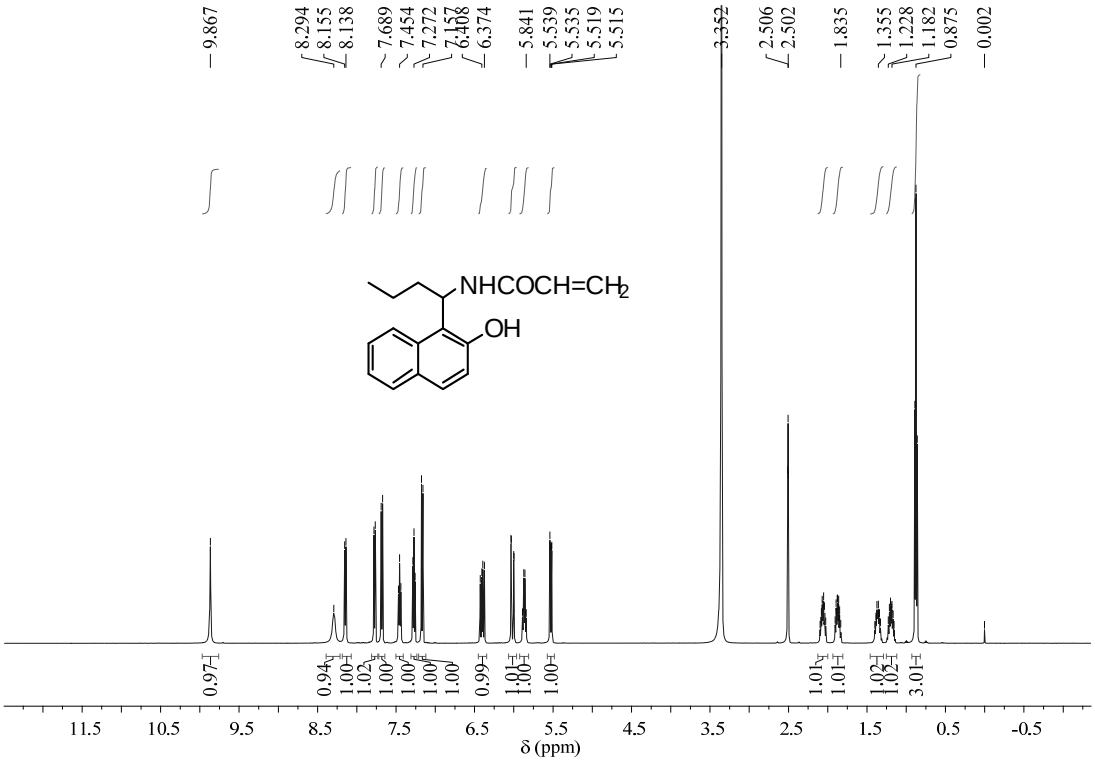
N-(1-(2-hydroxynaphthalen-1-yl)butyl)acetamide (Table 2, entry 8).



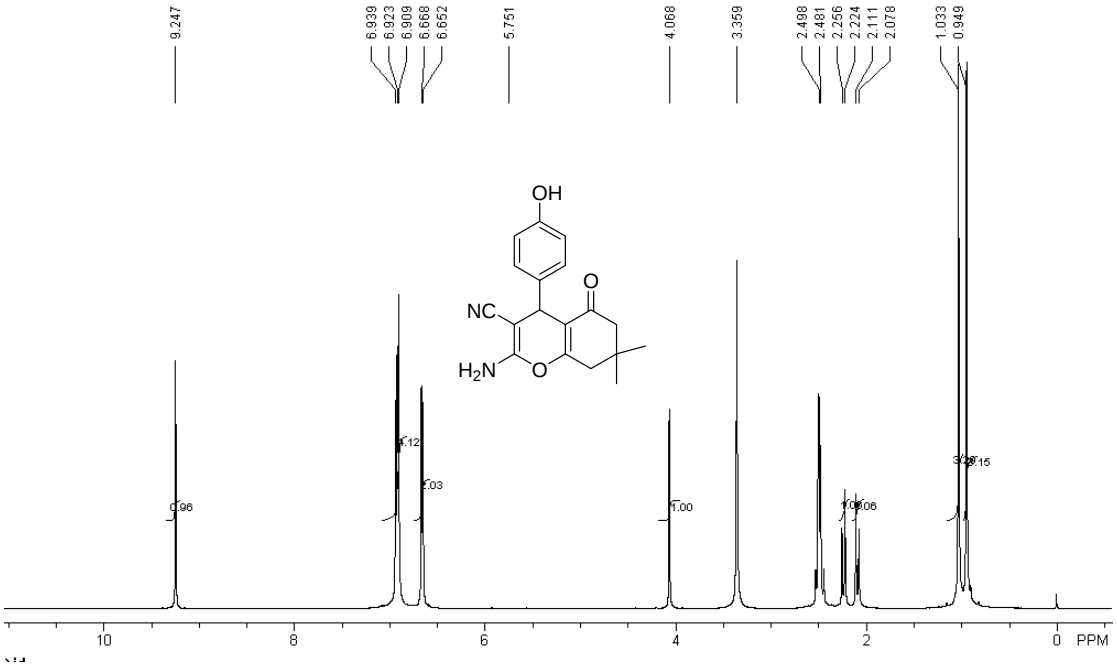
N-((2-hydroxynaphthalen-1-yl)(p-tolyl)methyl)benzamide (Table 2, entry 11)



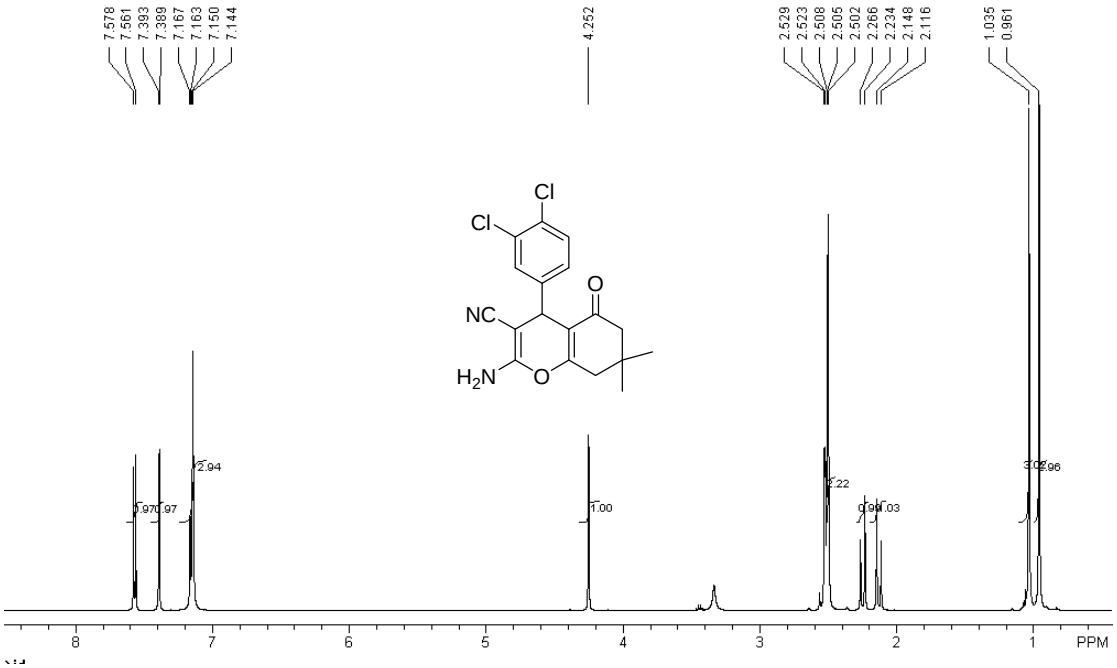
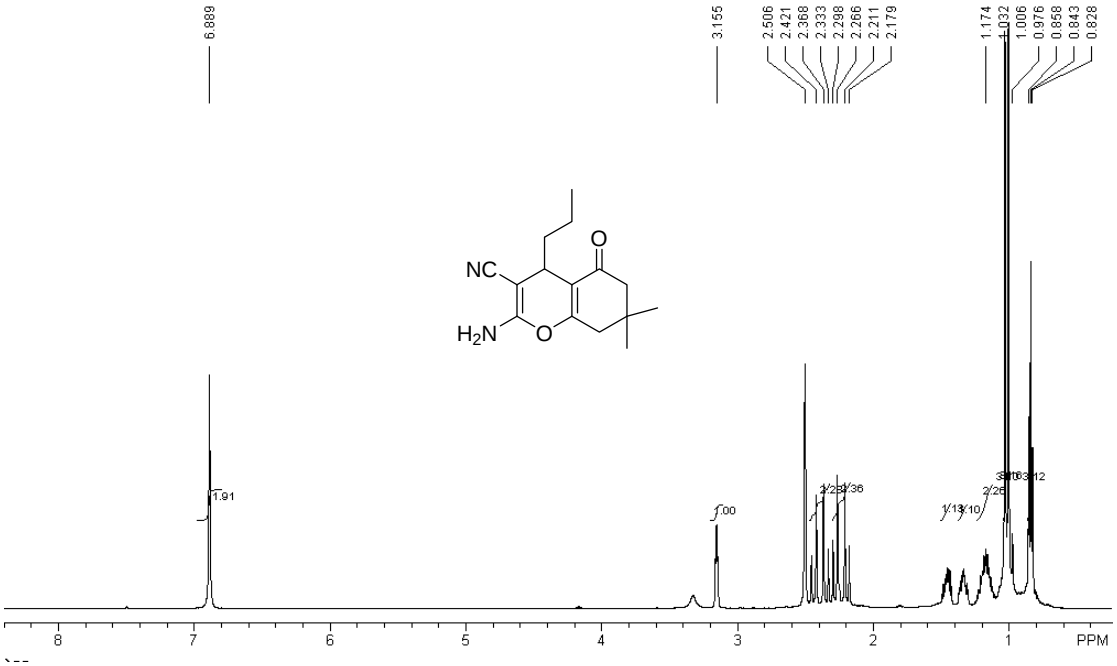
N-[(2-hydroxy-naphthalen-1-yl)-butyl]-acrylamide (Table 2, entry 15)



2-Amino-4-(3,4-dichlorophenyl)-7,7-dimethyl-5-oxo-5,6,7,8-tetrahydro-4H-chromene-3-carbonitrile (Table 4, entry 4)



2-Amino-4-(4-hydroxyphenyl)-7,7-dimethyl-5-oxo-5,6,7,8-tetrahydro-4H-chromene-3-carbonitrile (Table 4, entry 8)



2-Amino-7,7-dimethyl-5-oxo-4-propyl-5,6,7,8-tetrahydro-4H-chromene-3-carbonitrile (Table 4, entry 13)