ESI for

New sterically encumbered arylimido hexamolybdates for organic oxidation reactions

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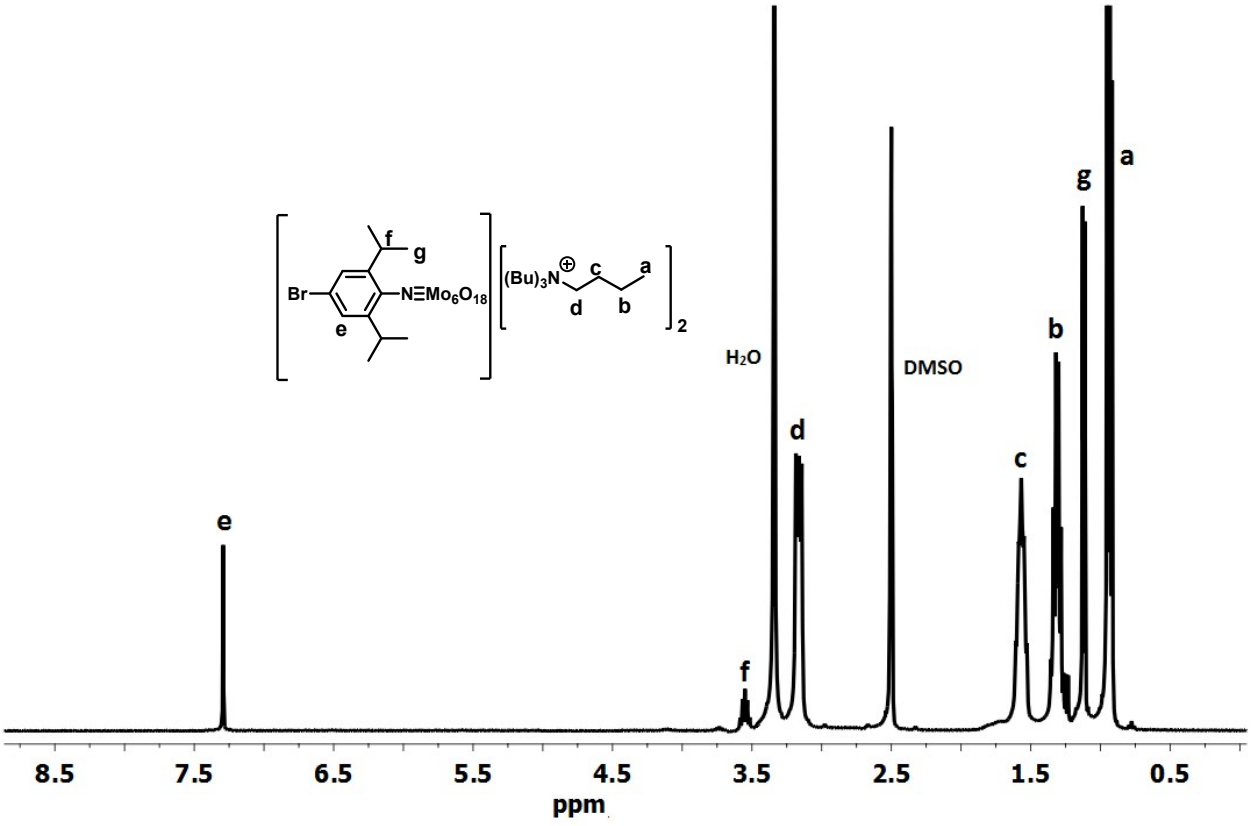

Figure S1. ^{1}H NMR spectrum of compound **1** in DMSO-d_6 (400 MHz).

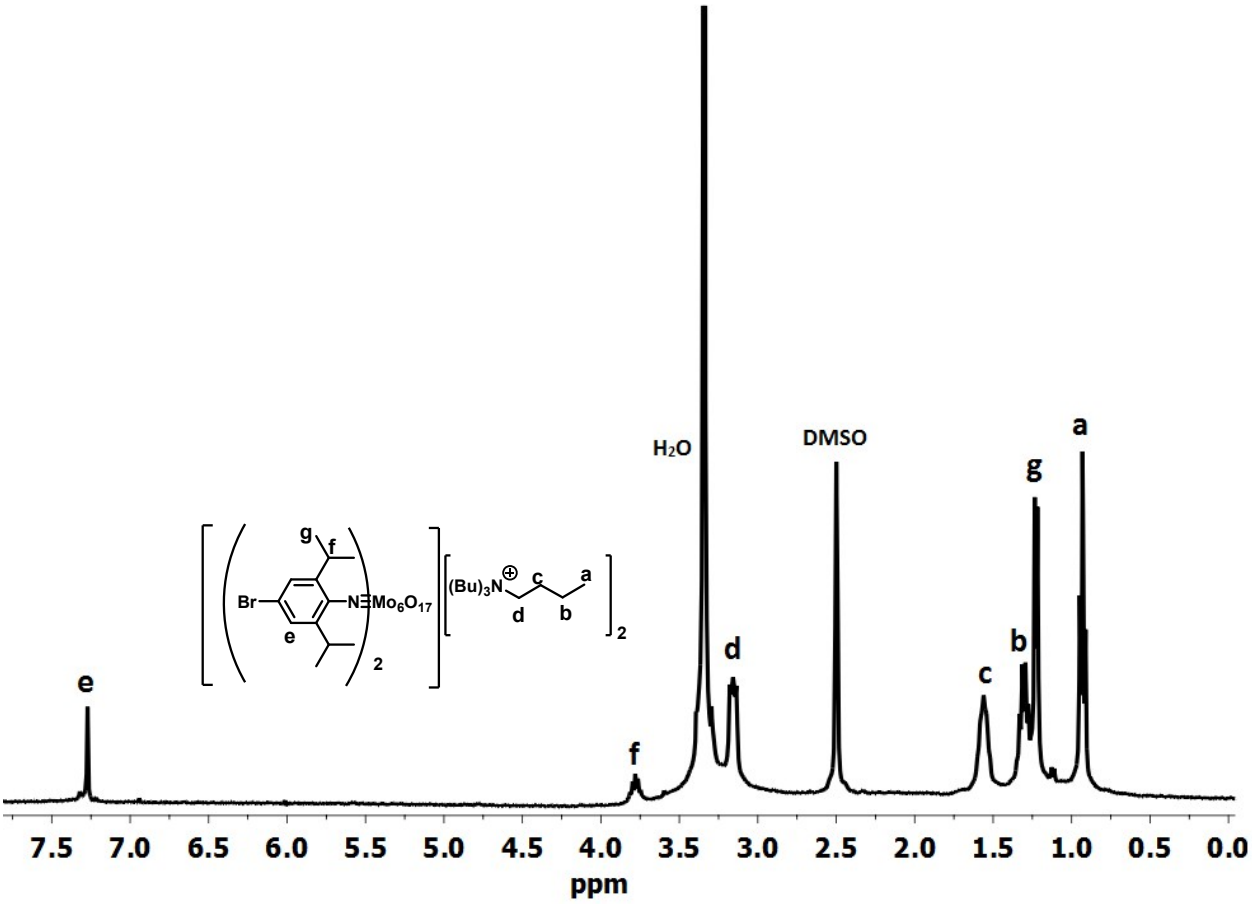

Figure S2. ^{1}H NMR spectrum of compound **2** in DMSO-d_6 (400 MHz).

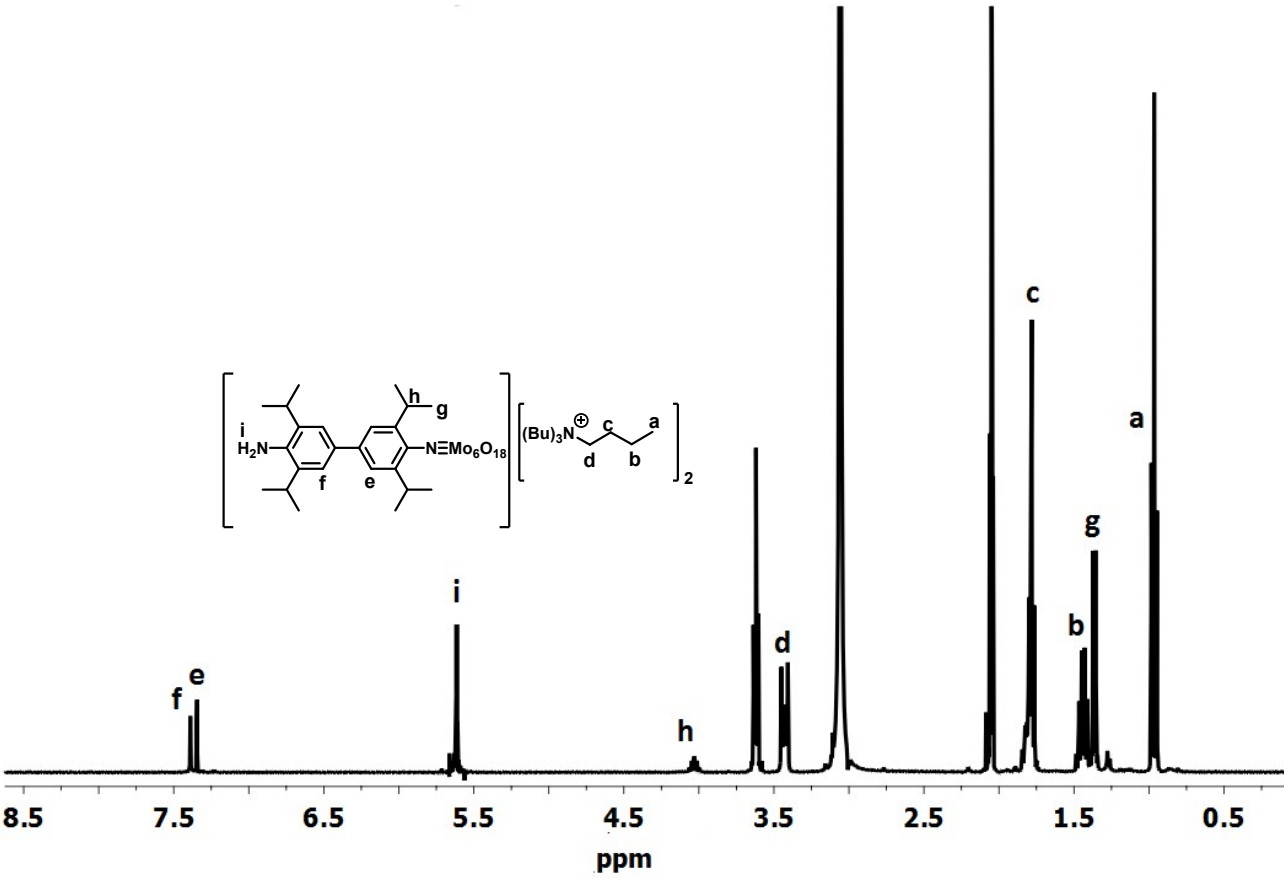

Figure S3. ^{1}H NMR spectrum of compound **3** in Acetone-d_6 (400 MHz).

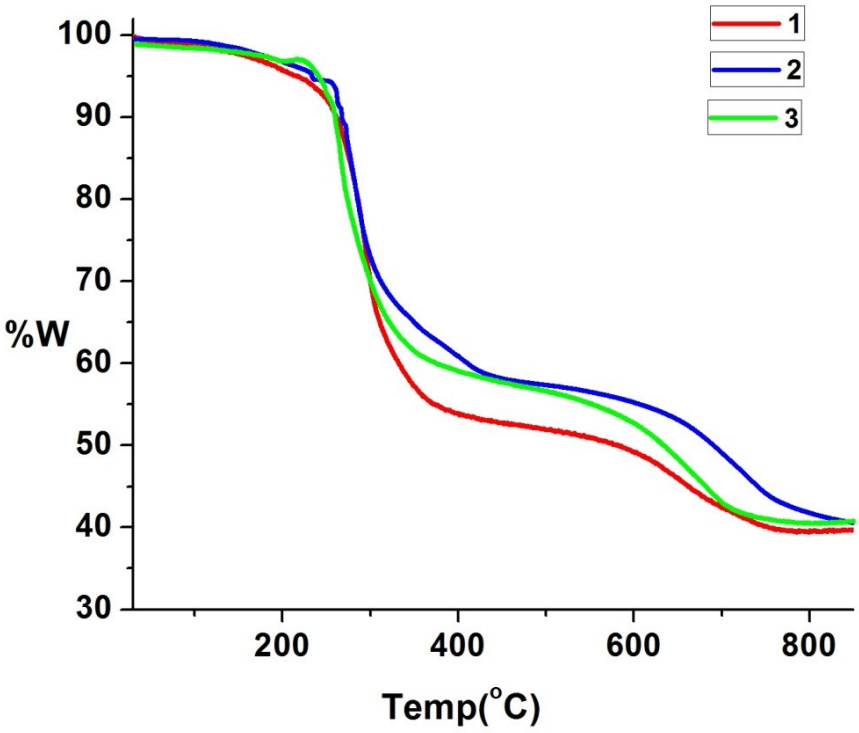

Figure S4. TGA cures of **1-3** (10 ^{o}C/min, N_2 atm).

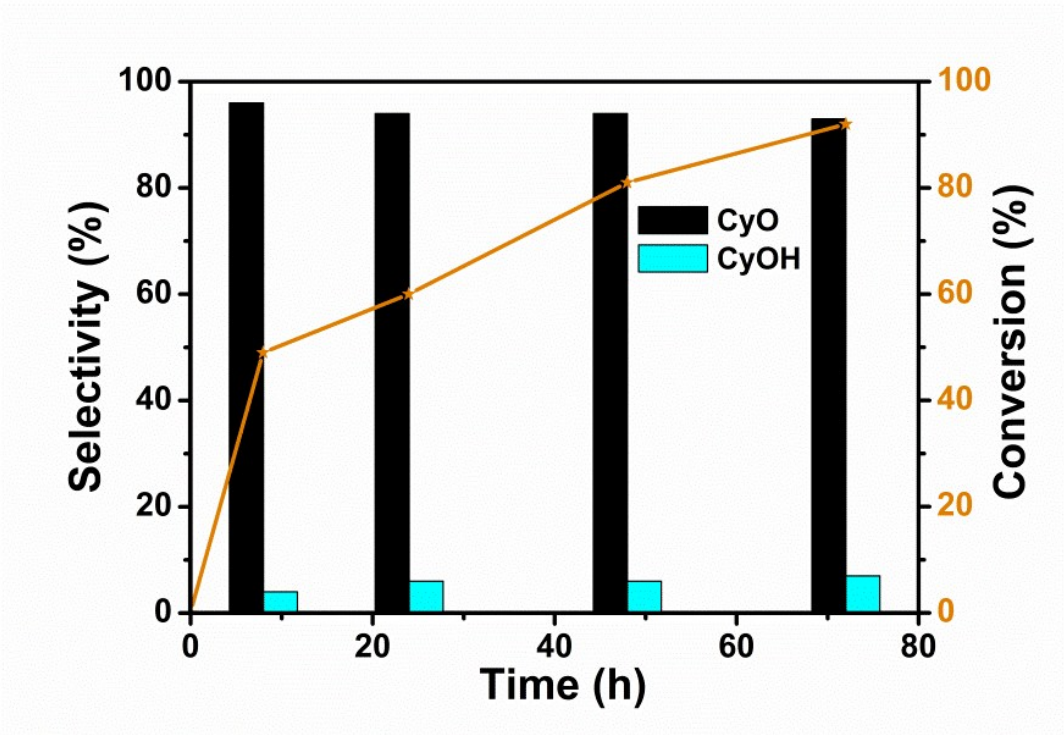

Figure S5. Effect of time on selectivity and conversion % in cyclohexene oxidation catalysed by **2.**

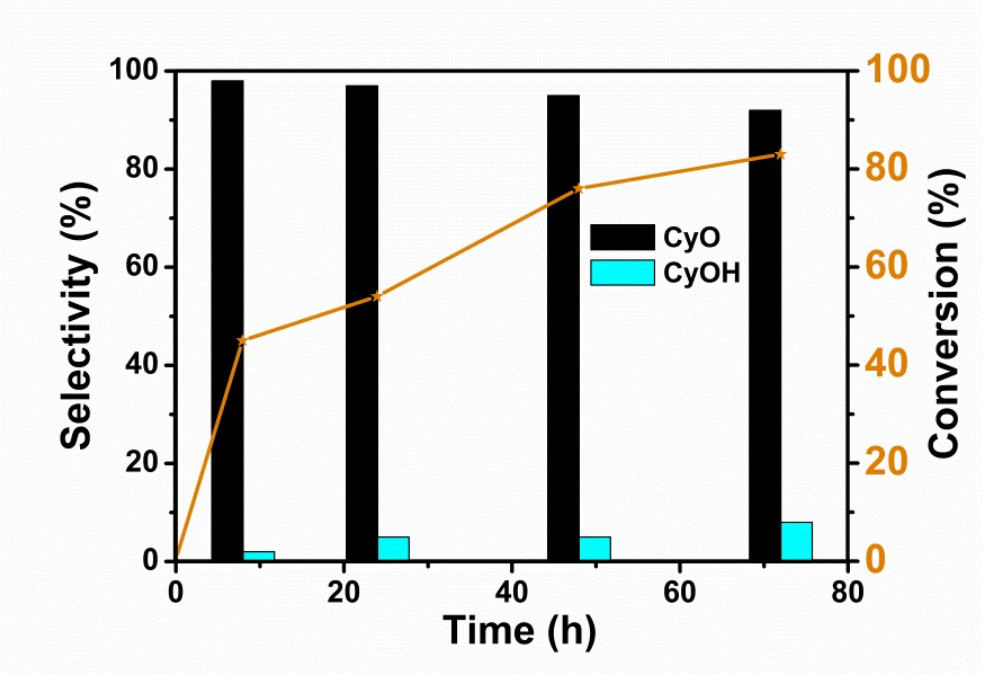

Figure S6. Effect of time on selectivity and conversion % in cyclohexene oxidation catalysed by **3.**

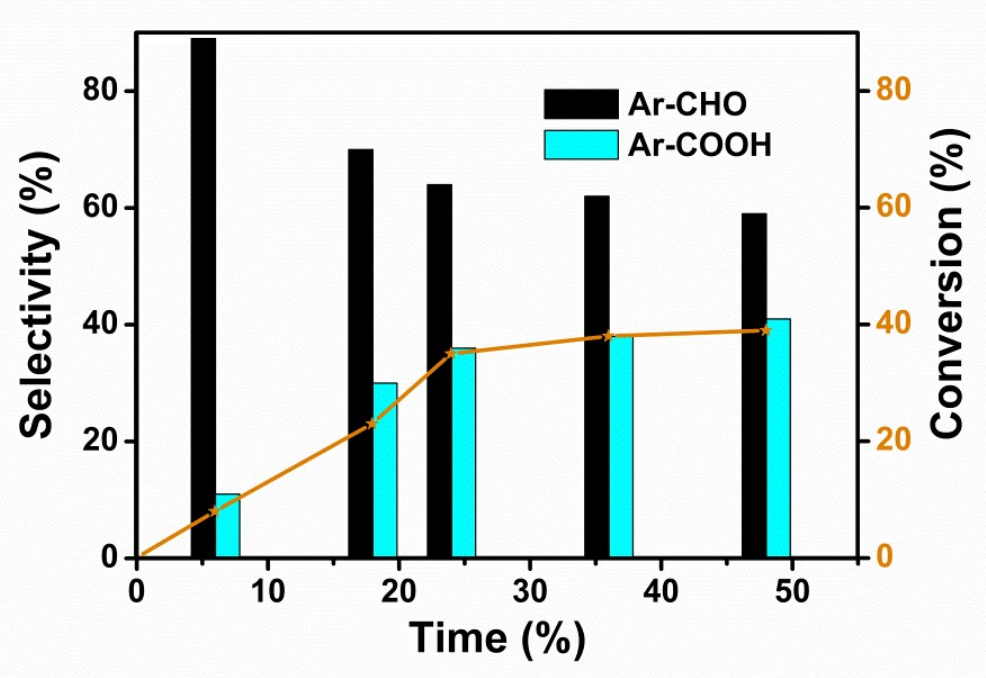

Figure S7. Effect of time on selectivity and conversion % in benzyl alcohol oxidation catalysed by **1.**

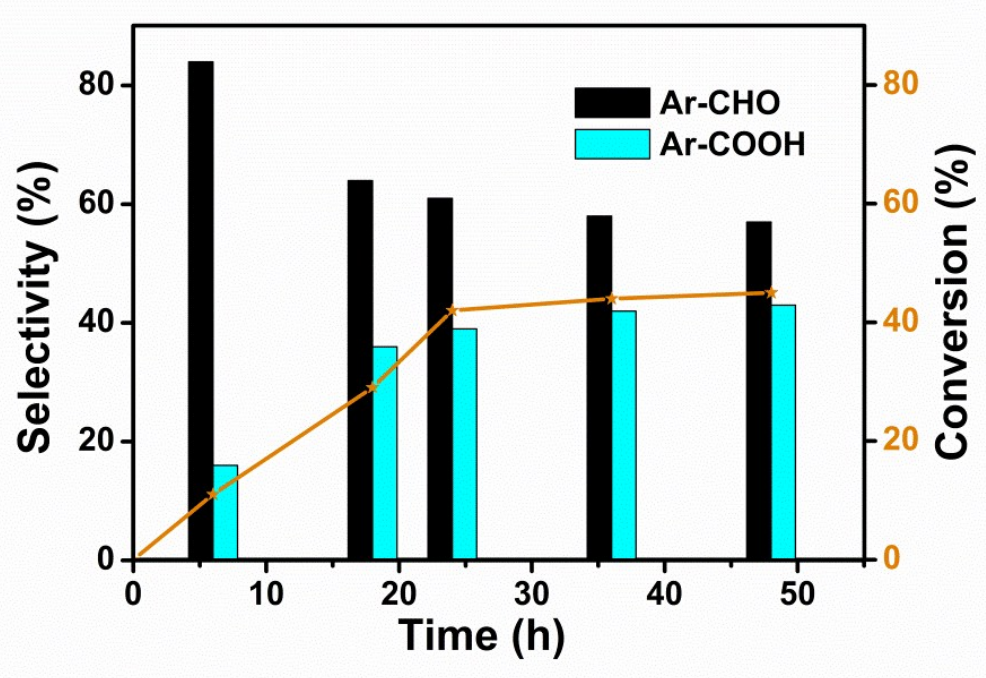

Figure S8. Effect of time on selectivity and conversion % in benzyl alcohol oxidation catalysed by **2.**

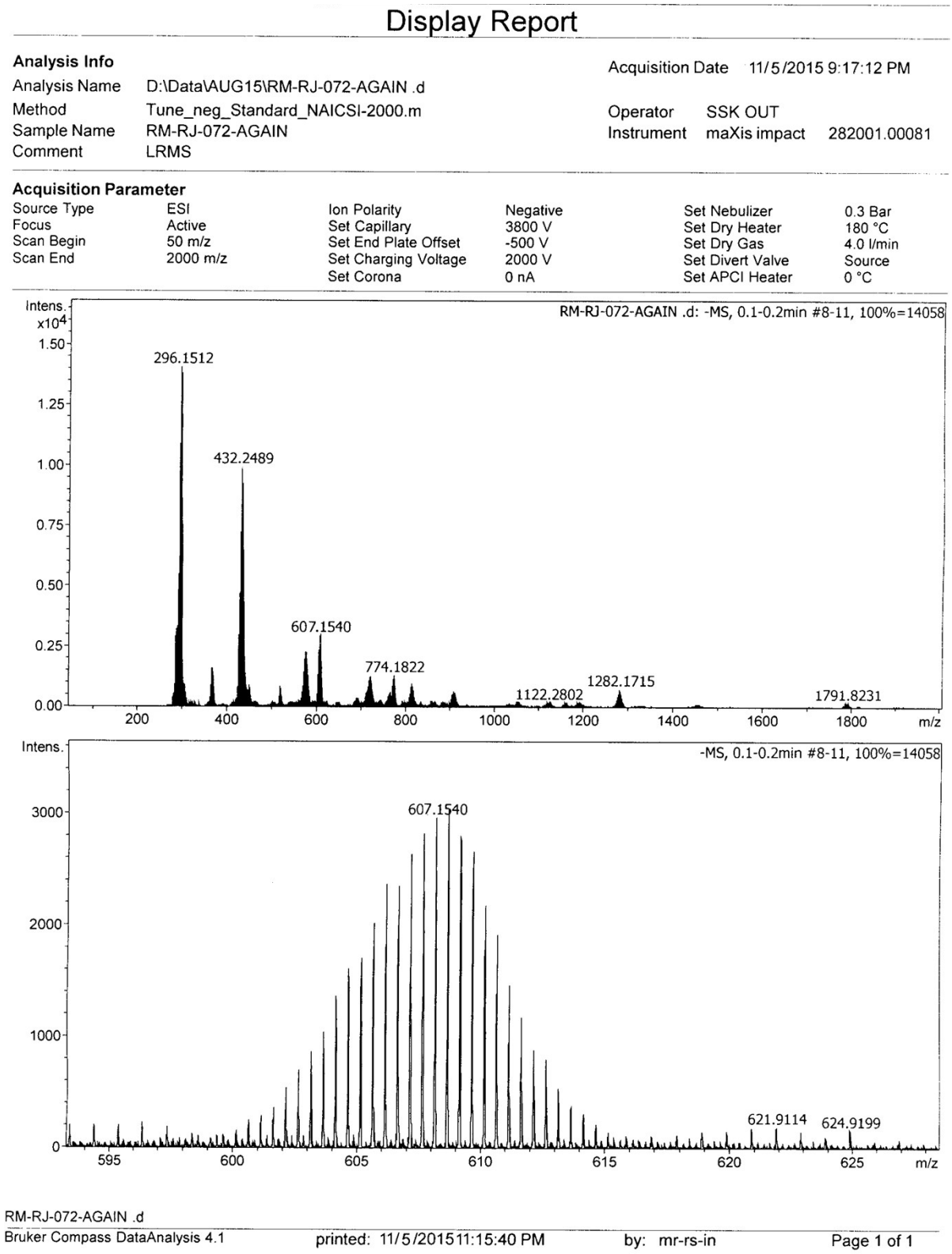

Figure S9. ESI-MS spectrum of reaction mixture after benzyl alcohol oxidation catalysed by **1.** The peak centered at m/z 607 corresponds to the molecular ion of **1.**