Supporting Information

Ethylenediammonium-diformate (EDDF) in PEG: An efficient ambiphilic novel catalytic system for the one-pot synthesis of *4H*-pyrans *via* Knoevenagel condensation

Anuj Thakur,^a Mohit Tripathi,^a U. Chinna Rajesh^a and Diwan S. Rawat,^{*a}

Department of Chemistry, University of Delhi, Delhi-110007, India Fax: 91-11-27667501; Tel: 91-11-27662683 *E-mail: <u>dsrawat@chemistry.du.ac.in</u>

Fig 1: ¹ H NMR of EDDF	1
Fig 2: ¹³ C NMR of EDDF	. 1
Fig 3: ¹ H NMR of <i>4H</i> -pyran 7i	2
Fig 4: ¹³ C NMR of <i>4H</i> -pyran 7i	2
Fig 5: ¹ H NMR of <i>4H</i> -pyran 7t	3
Fig 6: ¹³ C NMR of <i>4H</i> -pyran 7t	3
Fig 7: ¹ H NMR of <i>4H</i> -pyran 7u	4
Fig 8: ¹³ C NMR of <i>4H</i> -pyran 7u	4
Fig 9: ¹ H NMR of <i>4H</i> -pyran 7v	5
Fig 10: ¹³ C NMR of <i>4H</i> -pyran 7v	5
Fig 11: ¹ H NMR of <i>4H</i> -pyran 8a	6
Fig 12: ¹³ C NMR of <i>4H</i> -pyran 8a	6
Fig 13: ¹ H NMR of <i>4H</i> -pyran 9a	7
Fig 14: ¹ H NMR of spirooxindole 11a	7
Fig 15: ¹³ C NMR of spirooxindole 11a	.8
Fig 16: ¹ H NMR of spirooxindole 12a	.8
Fig 17: ¹³ C NMR of spirooxindole 12a	9
Fig 18: ¹ H NMR of spirooxindole 13a	9
Fig 19: ¹³ C NMR of spirooxindole 13a	.10



Fig 1: ¹H NMR of Ethylenediammonium-diformate (**EDDF**)



Fig 2: ¹³C NMR of Ethylenediammonium-diformate (EDDF)



Fig 4: ¹³C NMR of *4H*-pyran 7i







Fig 6: ¹³C NMR of *4H*-pyran **7**t



Fig 7: ¹H NMR of *4H*-pyran **7u**



Fig 8: ¹³C NMR of *4H*-pyran **7u**







Fig 10: ¹³C NMR of *4H*-pyran **7v**



Fig 11: ¹H NMR of *4H*-pyran **8a**



Fig 12: ¹³C NMR of *4H*-pyran **8a**



Fig 13: ¹H NMR of *4H*-pyran 9a



Fig 14: ¹H NMR of spirooxindole 11a



Fig 15: ¹³C NMR of spirooxindole 11a



Fig 16: ¹H NMR of spirooxindole 12a



Fig 17: ¹³C NMR of spirooxindole 12a



Fig 18: ¹H NMR of spirooxindole 13a



Fig 19: ¹³C NMR of spirooxindole 13a