



ChemTech

International Journal of ChemTech Research

CODEN(USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.10 No.6, pp269-273,2017

Choline chloride and urea based deep eutectic solvent promoted synthesis of arylmethyldene-isoxazol-5(4H)-ones

Abdul Ahad and MaqdoomFarooqui*

Post Graduate and Research Center, Dr. RafiqZakaria Campus, Maulana Azad College,
Rouza Baugh, Aurangabad(M.S),India.

Abstract: Choline chloride/urea as a deep eutectic solvent is found to be promising solvent under the optimized conditions for the one-pot three component synthesis of arylmethyldene-isoxazol-5(4H)-ones in short span of 15–25 min with an excellent yield of 90-93%.The inexpensive, biodegradable, non-toxic and recyclable nature of choline chloride/urea make this protocol efficient and green.

Keywords: Arylmethyldene-isoxazol-5(4H)-ones, Choline chloride/urea, eco-friendly protocol.

MaqdoomFarooqui *et al*/International Journal of ChemTech Research, 2017,10(6): 269-273.
