

Supporting Information

A Versatile Matrix of Ionic Liquid Functionalized with Aldehyde and Ferrocene for Label-Free Electrochemical Immunosensors

Youming Shen,^{ab} Guangyu Shen,^{*a} Youyu Zhang,^{*b}

^a Hunan Province Cooperative Innovation Center for The Construction & Development of Dongting Lake Ecological Economic Zone, College of Chemistry and Materials Engineering, Hunan University of Arts and Science, Changde, 415000, PR China

^b Key Laboratory of Chemical Biology and Traditional Chinese Medicine Research (Ministry of Education), College of Chemistry and Chemical Engineering, Hunan Normal University, Changsha 410081, PR China

* Corresponding author: E-mail: sgyrab@163.com; Tel.: +867367186115

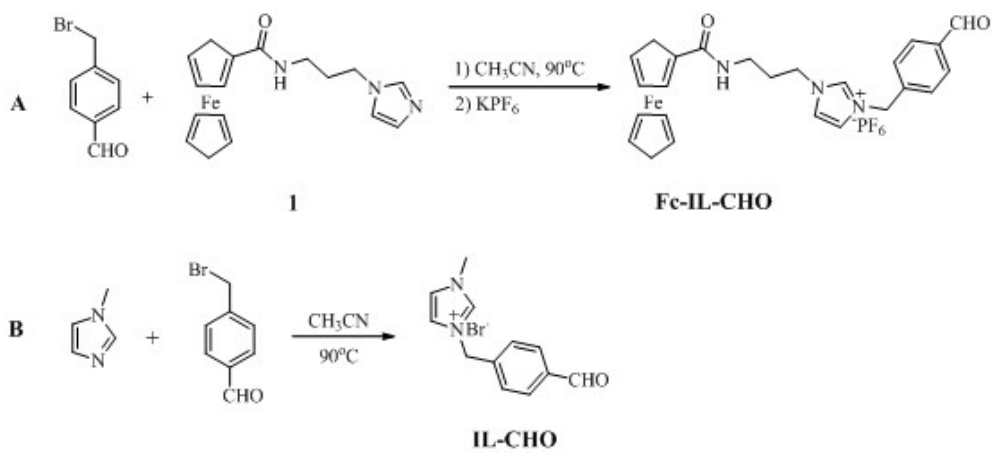


Figure S1 Synthetic route for Fc-IL-CHO (A) and IL-CHO (B).

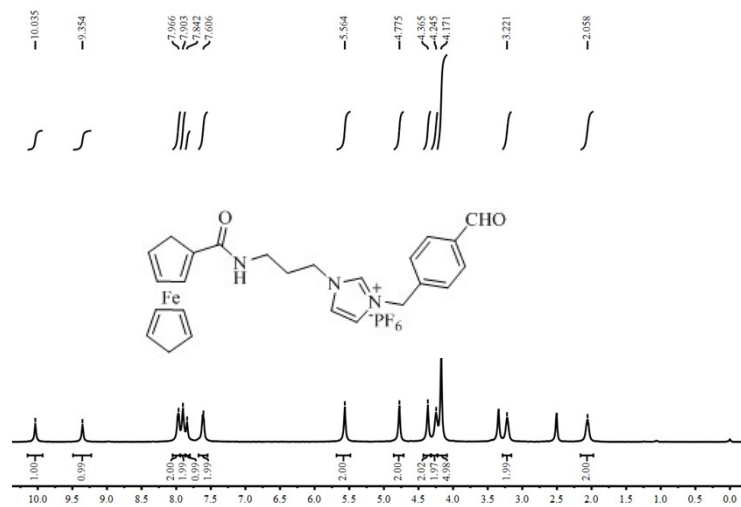


Figure S2 ¹H NMR of compound Fe-IL-CHO

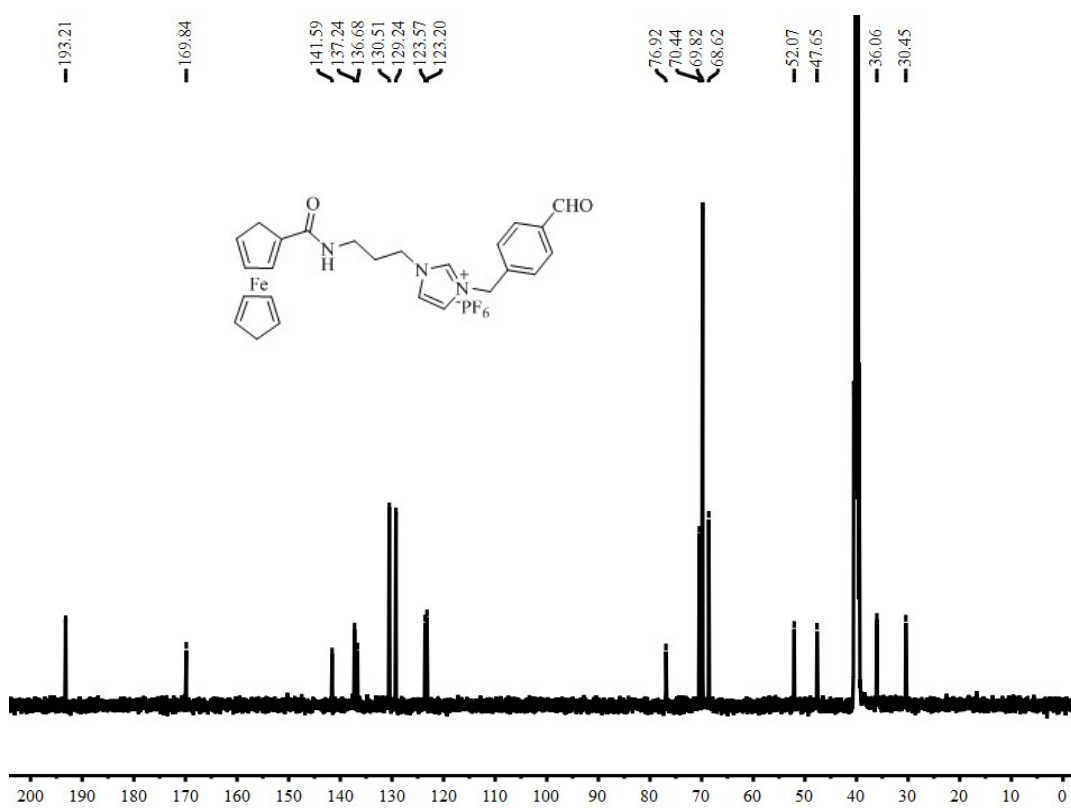


Figure S3 ¹³C NMR of compound Fe-IL-CHO

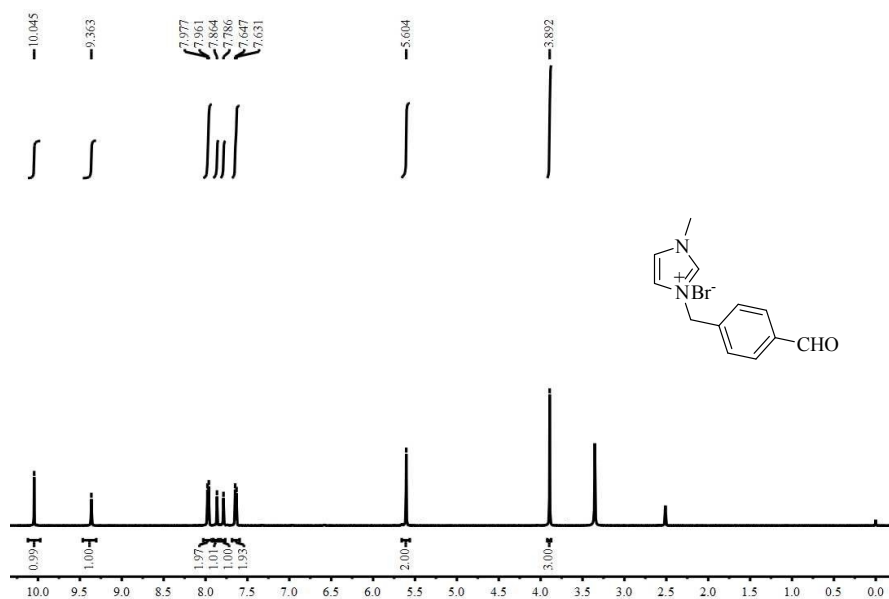


Figure S4 ^1H NMR of compound IL-CHO

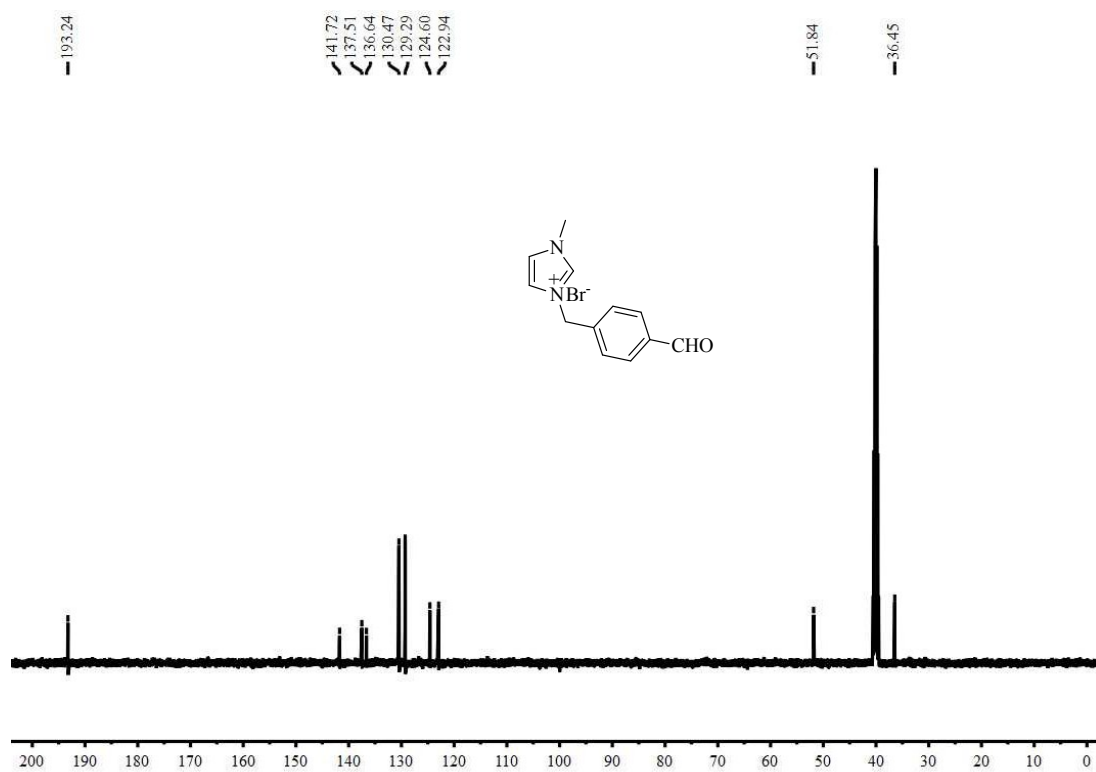


Figure S5 ^{13}C NMR of compound IL-CHO