Electronic Supplementary Material (ESI) for RSC Advances

Transition-Metal Catalyst Free C=N Coupling with Phenol / Phenoxide: Green Synthesis of Benzoxazole Scaffold by Anodic Oxidation Reaction

Yachen Shih, Chengyi Ke, Chinghao Pan and Yungtzung Huang*

Department of Applied Chemistry, National University of Kaohsiung

No. 700, Kaohsiung University Rd., Kaohsiung 81148, Taiwan, R.O.C.

Corresponding Author, Phone: 886-7-591-9418; Fax: 886-7-591-9348; Email: ythuang@nuk.edu.tw

Supplementary Information

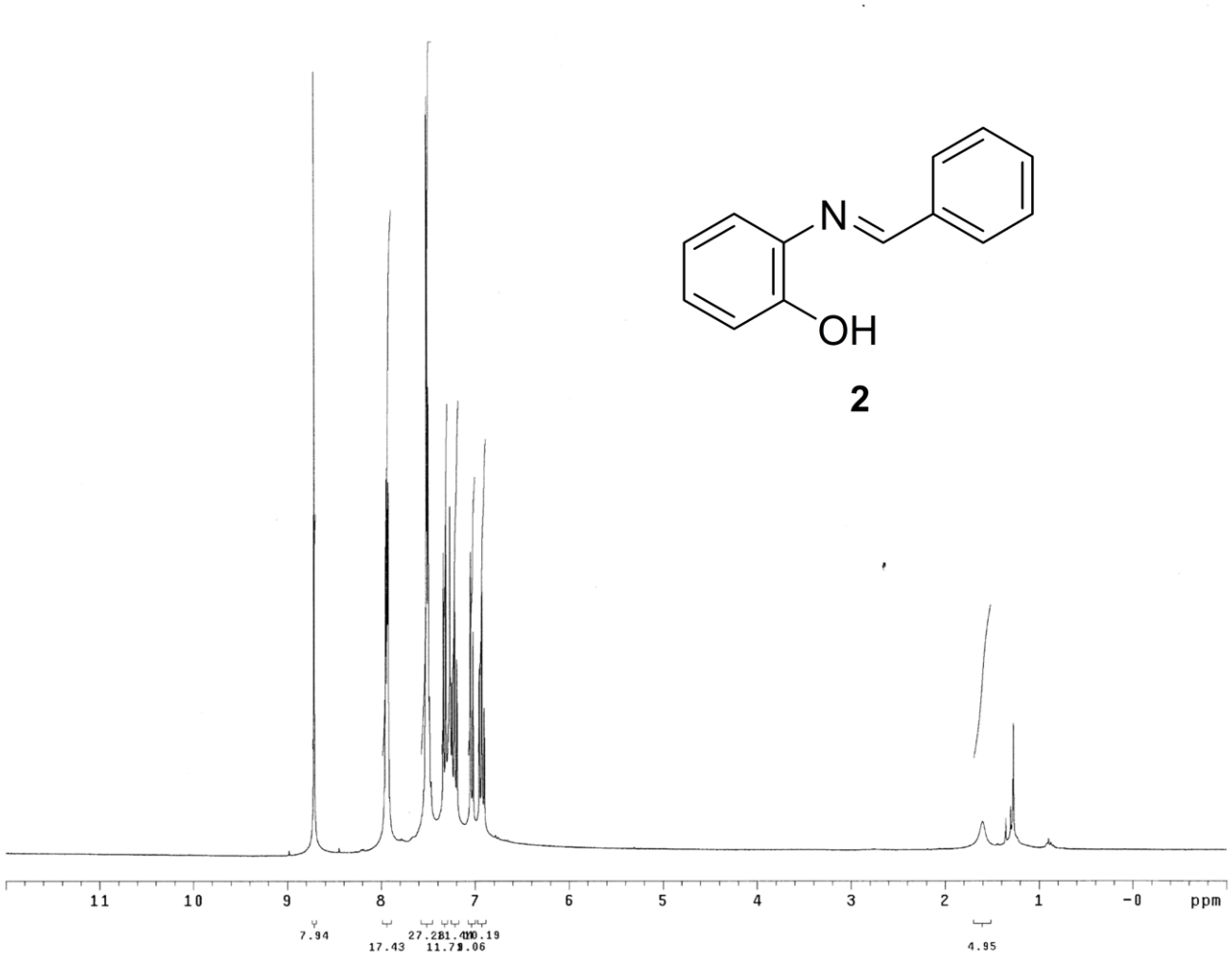
TABLE OF CONTENTS

I. NMR spectra:

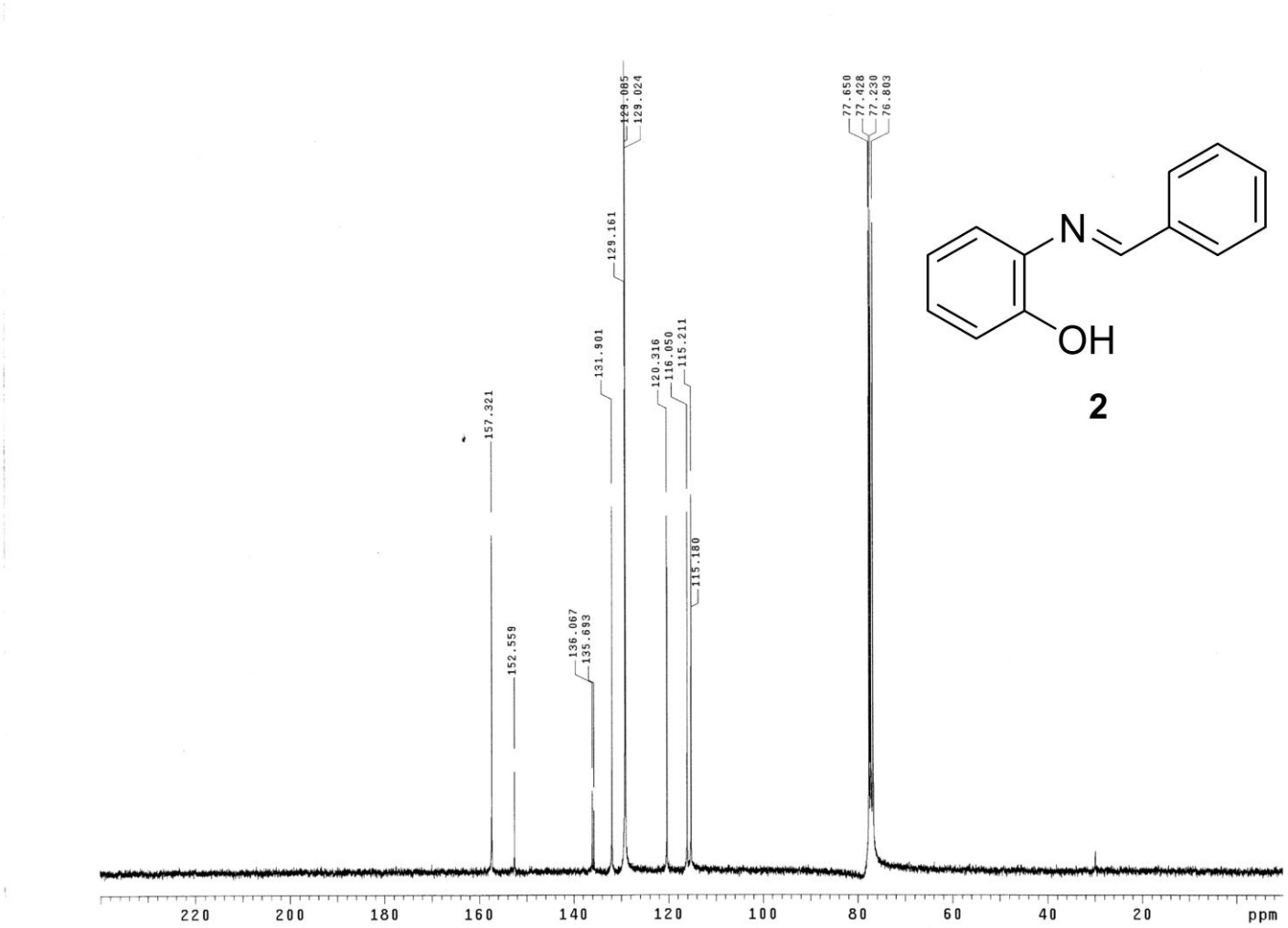
II. CV spectra:

I. NMR spectra:

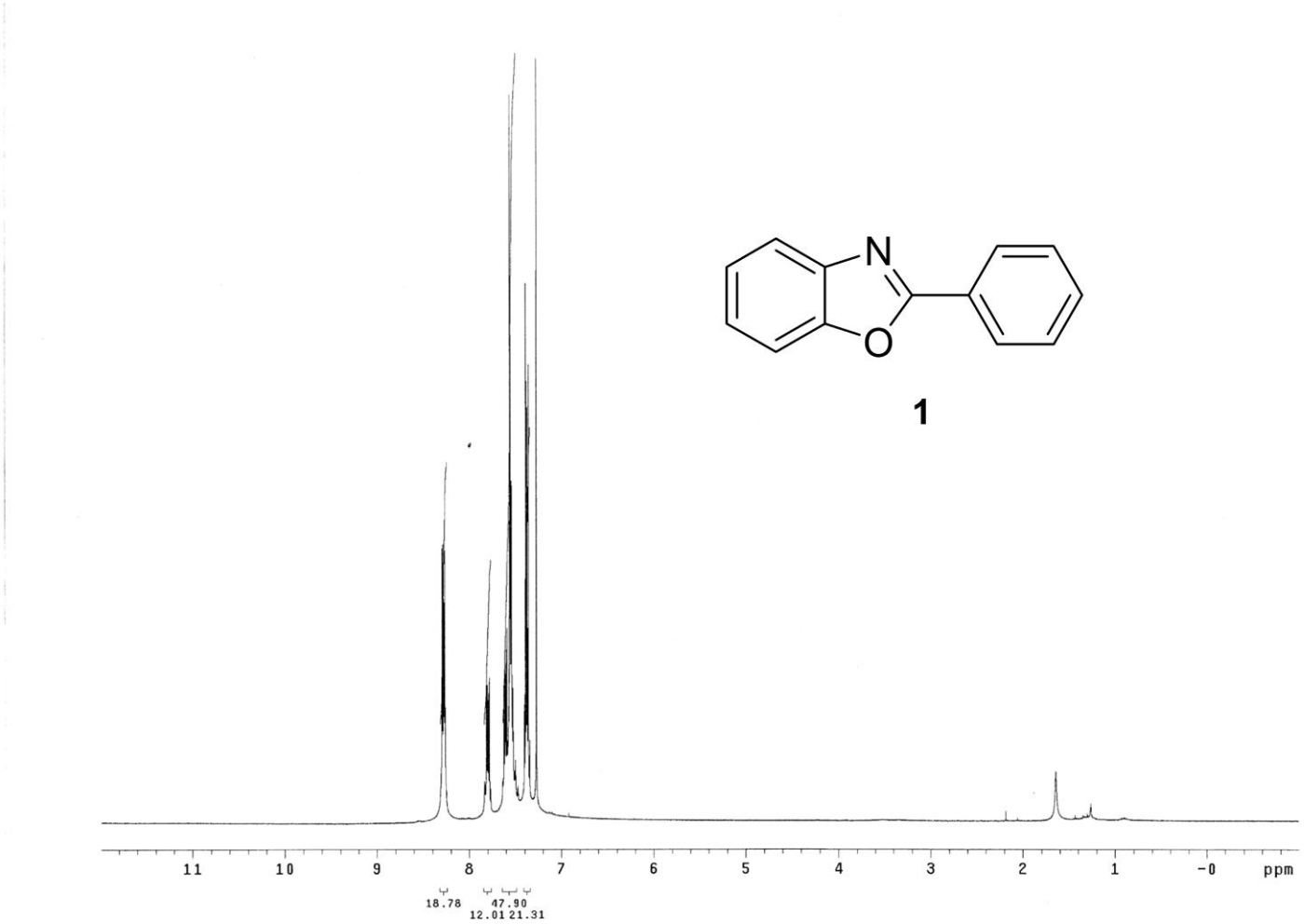
1. ^{1}H-NMR spectrum of phenolic Schiff base (**2**):



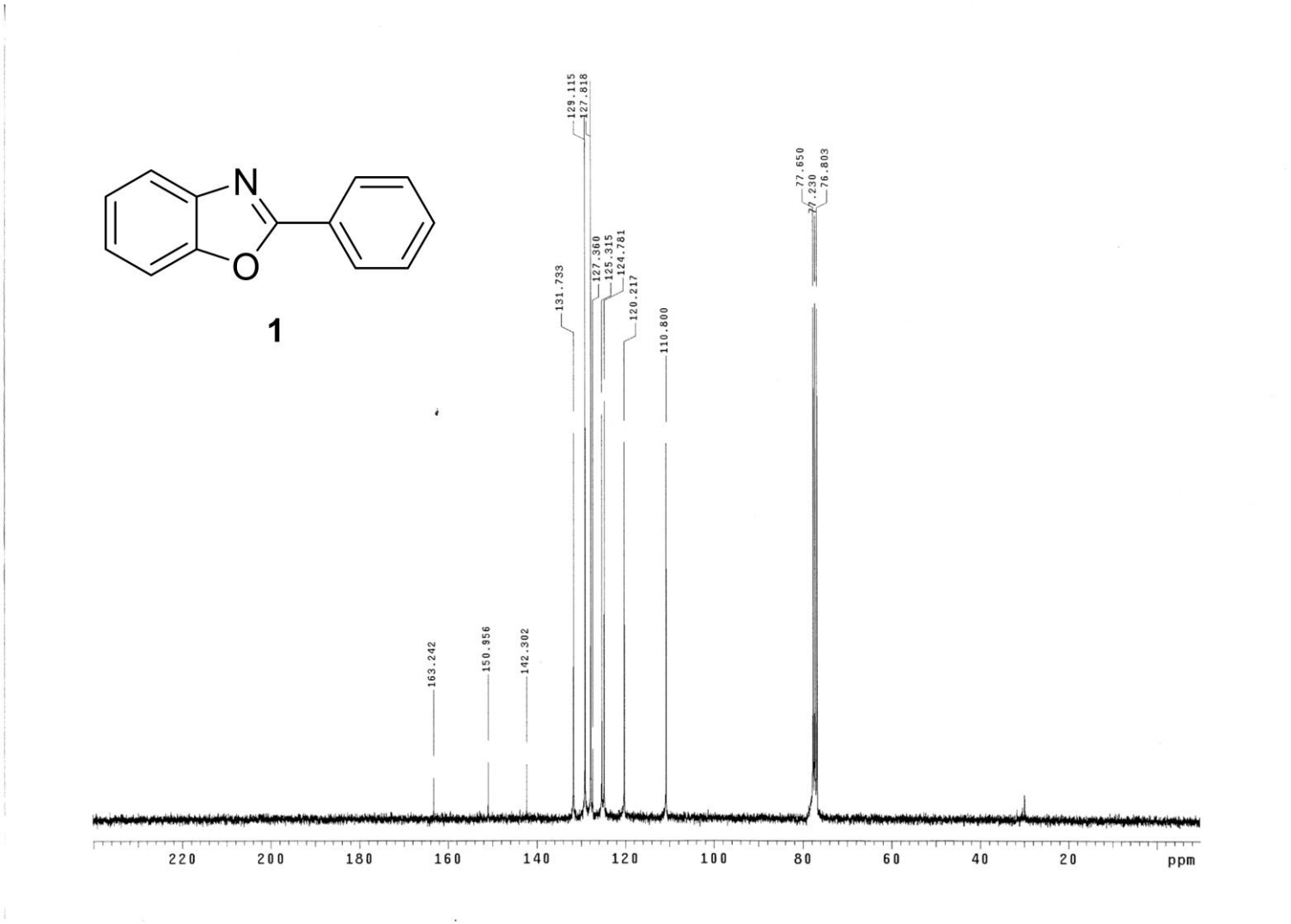
2. ^{13}C-NMR spectrum of phenolic Schiff base (**2**):



3. ^{1}H-NMR spectrum of benzoxazole (**1**):

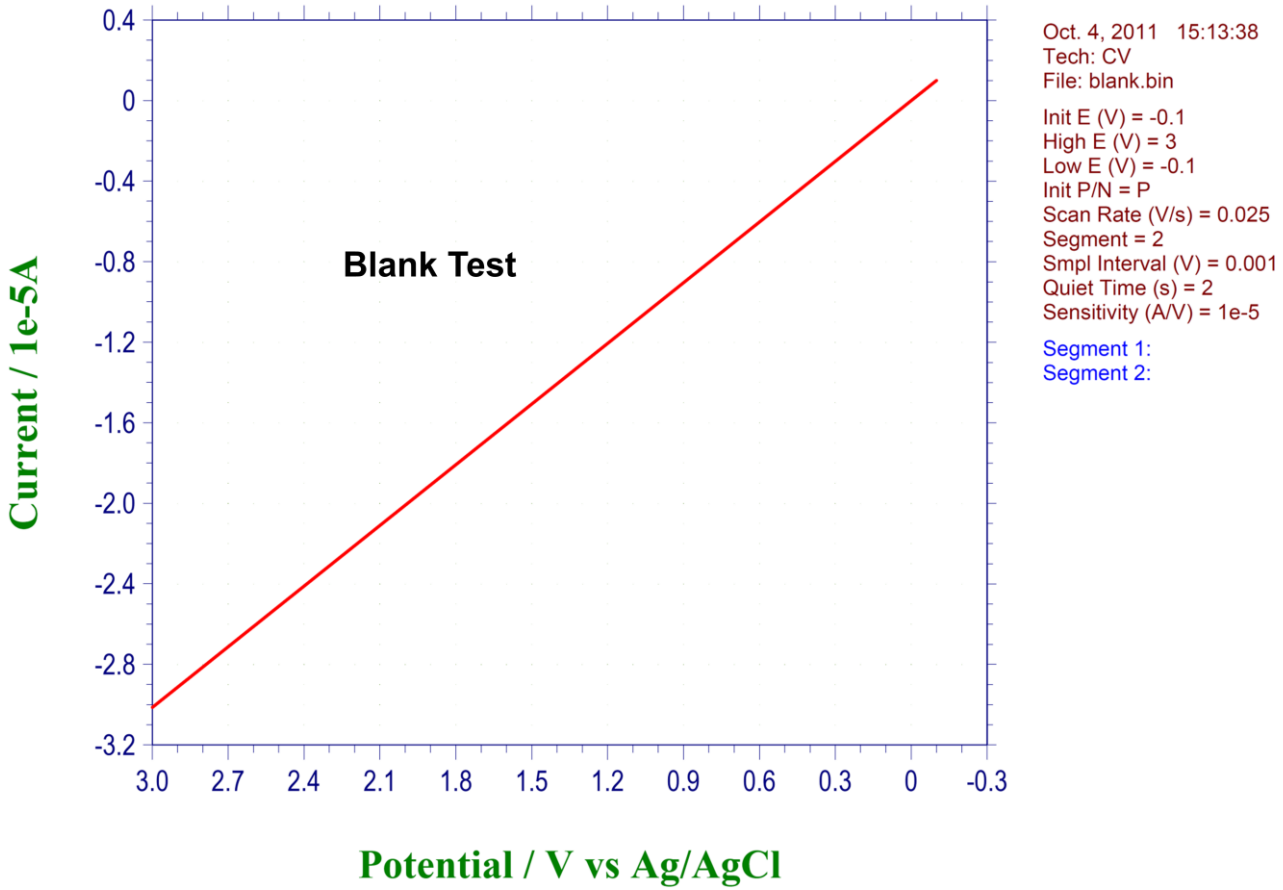


4. ^{13}C-NMR spectrum of benzoxazole (**1**):

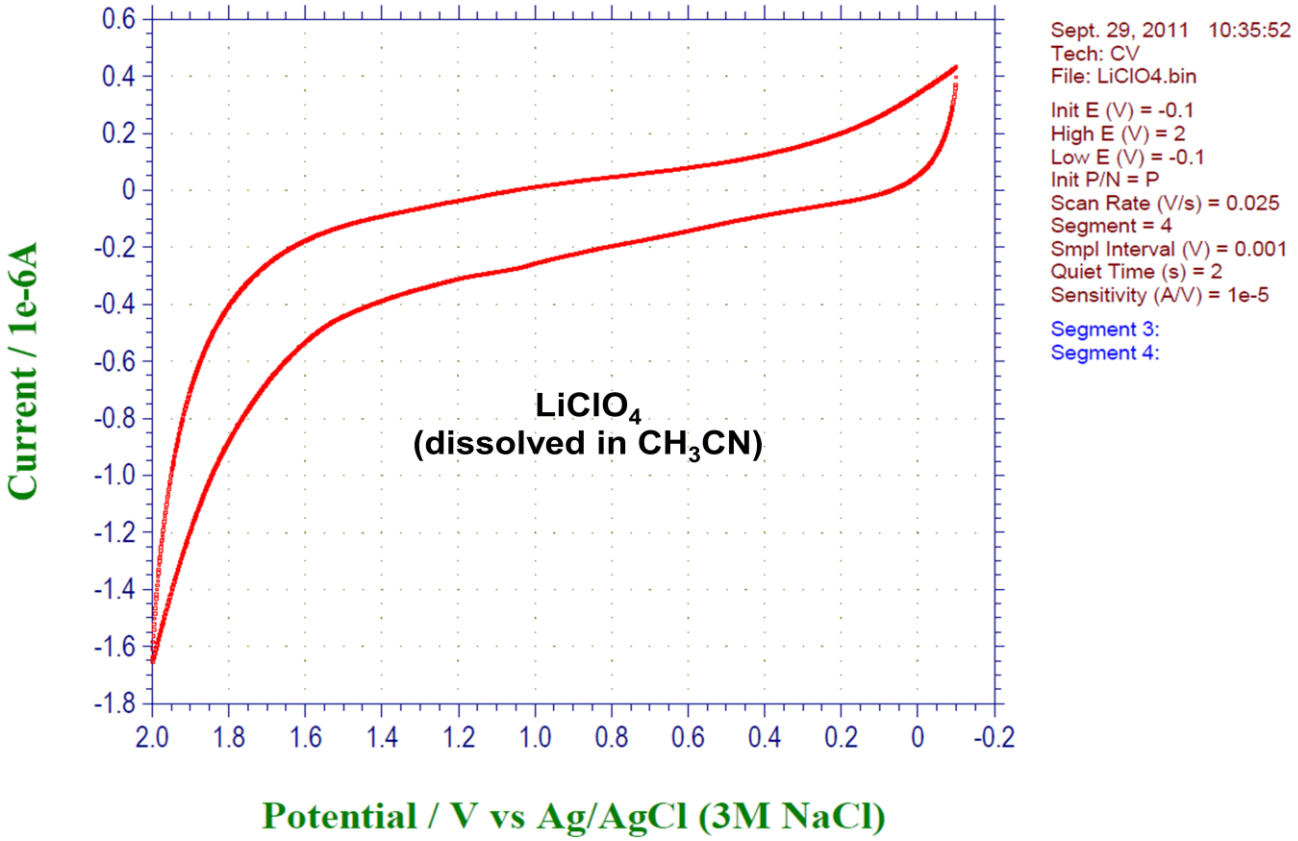


II. CV spectra:

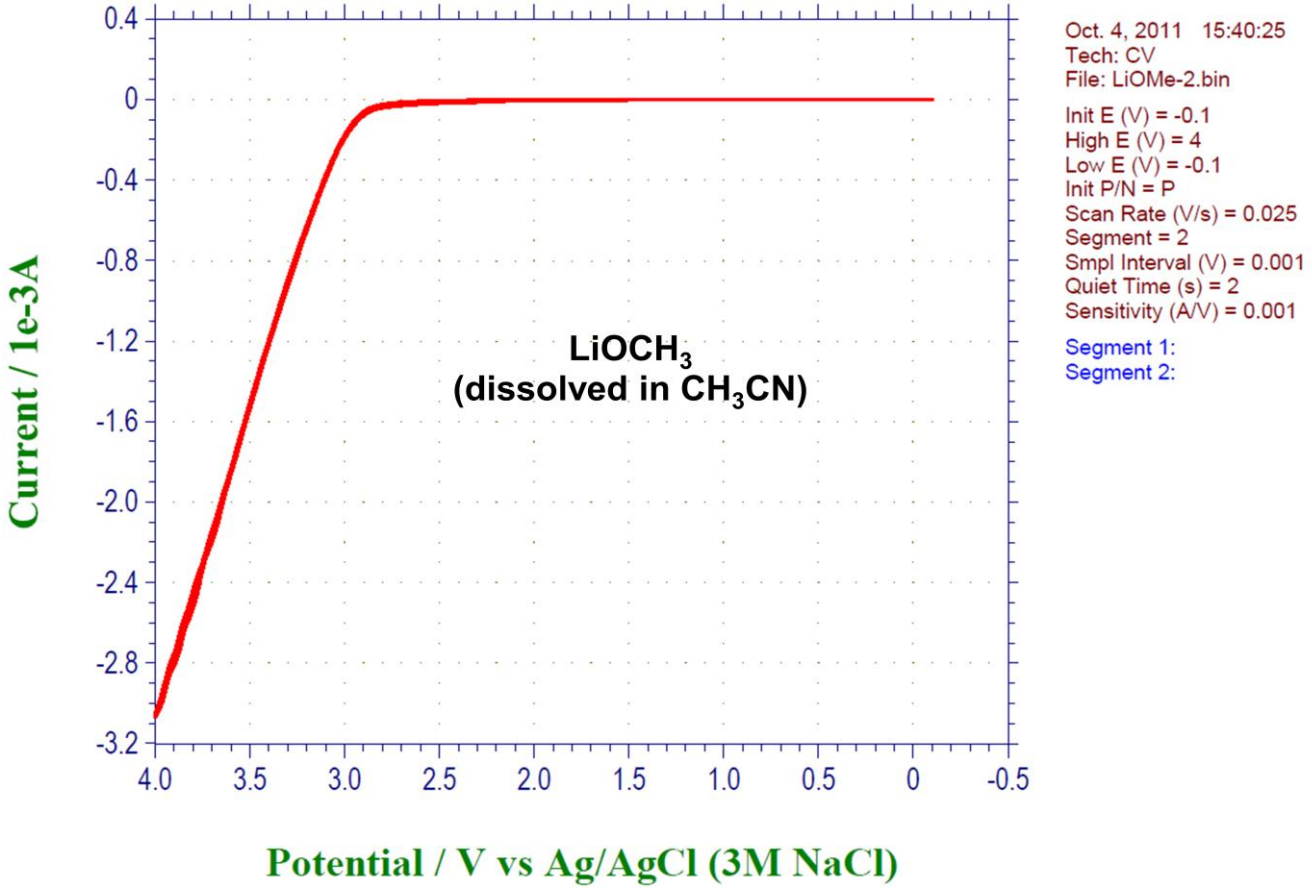
1. CV spectrum of blank test:



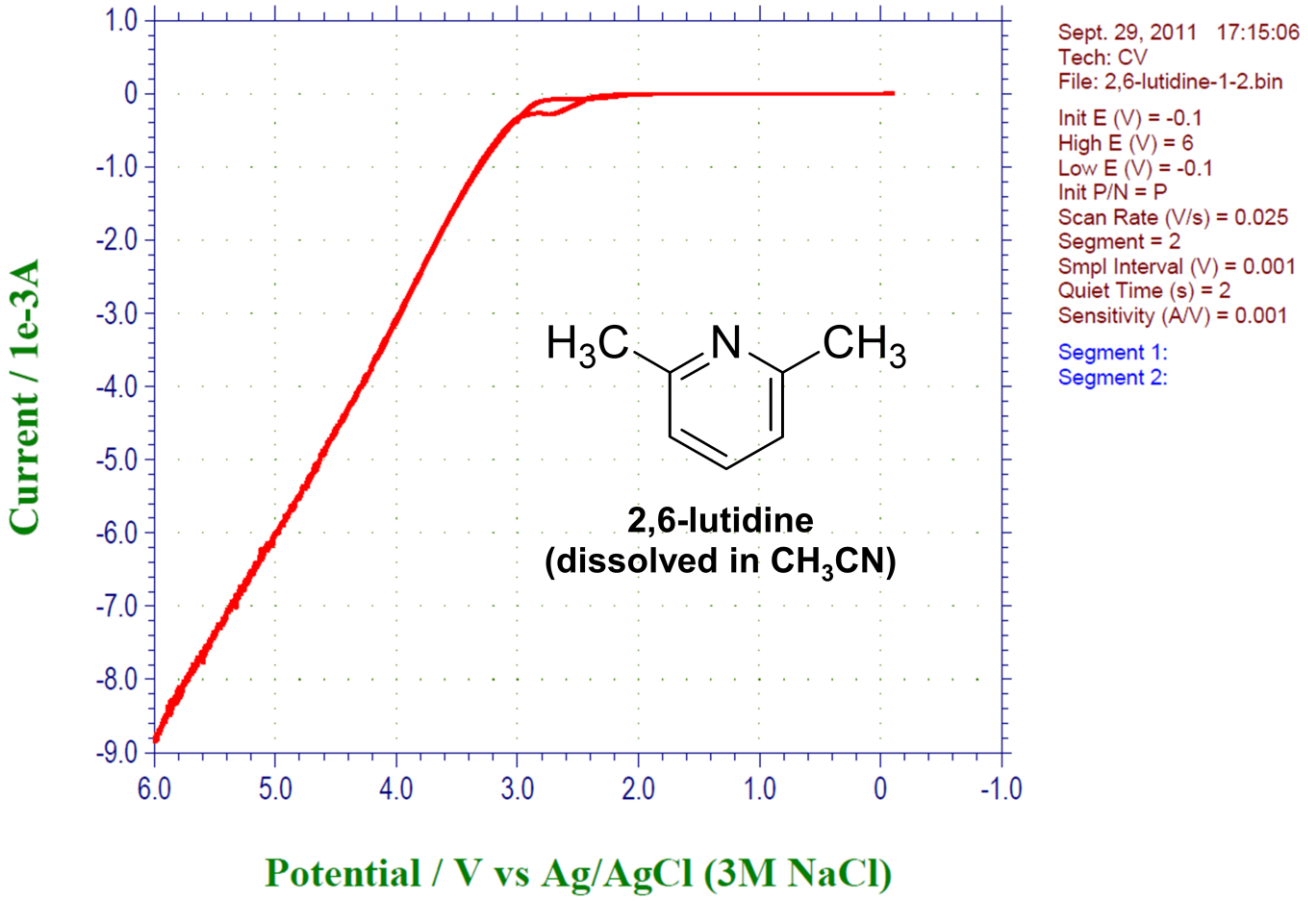
2. CV spectrum of $LiClO_4$ in CH_3CN:



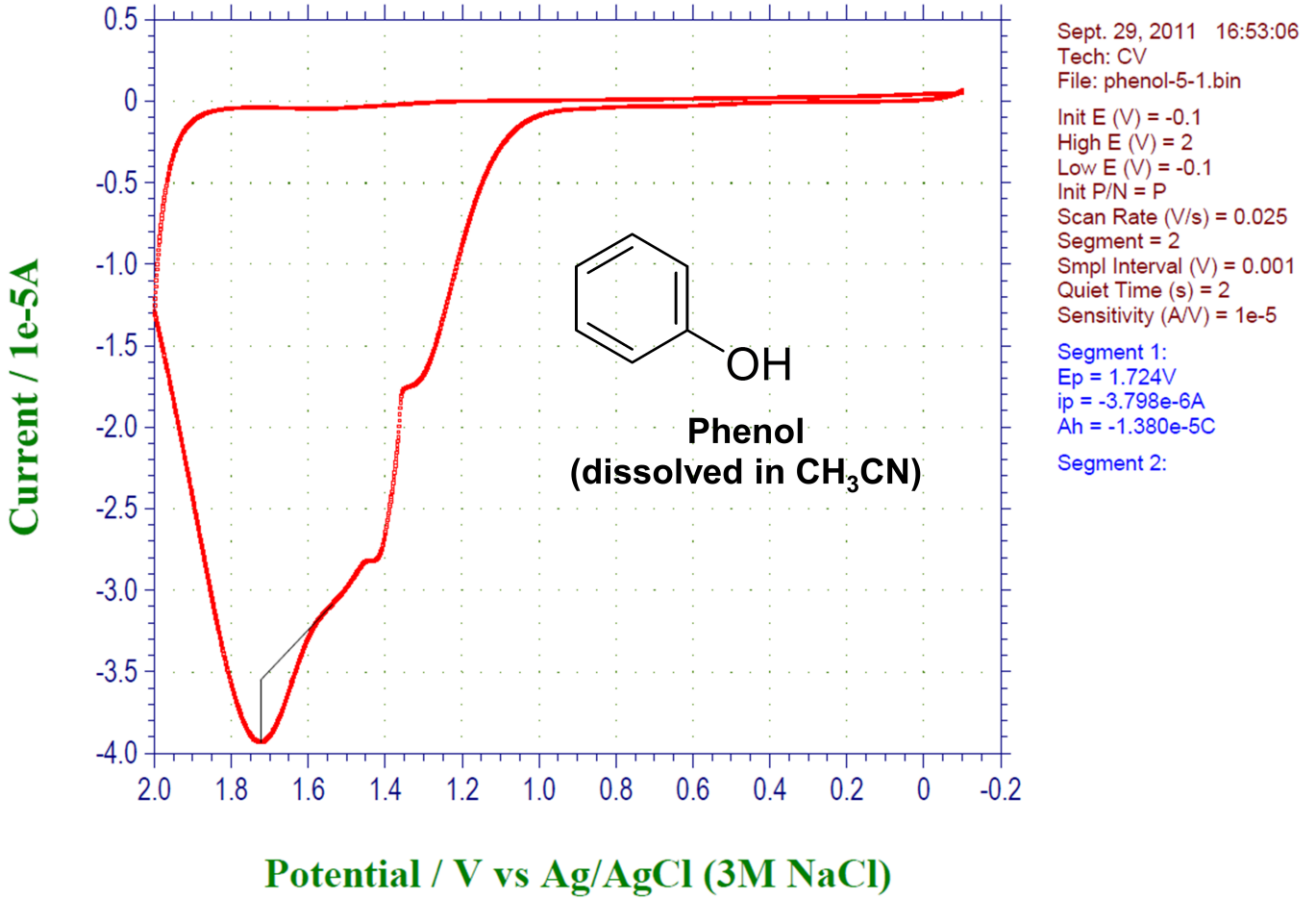
3. CV spectrum of $LiOCH_3$ in CH_3CN:



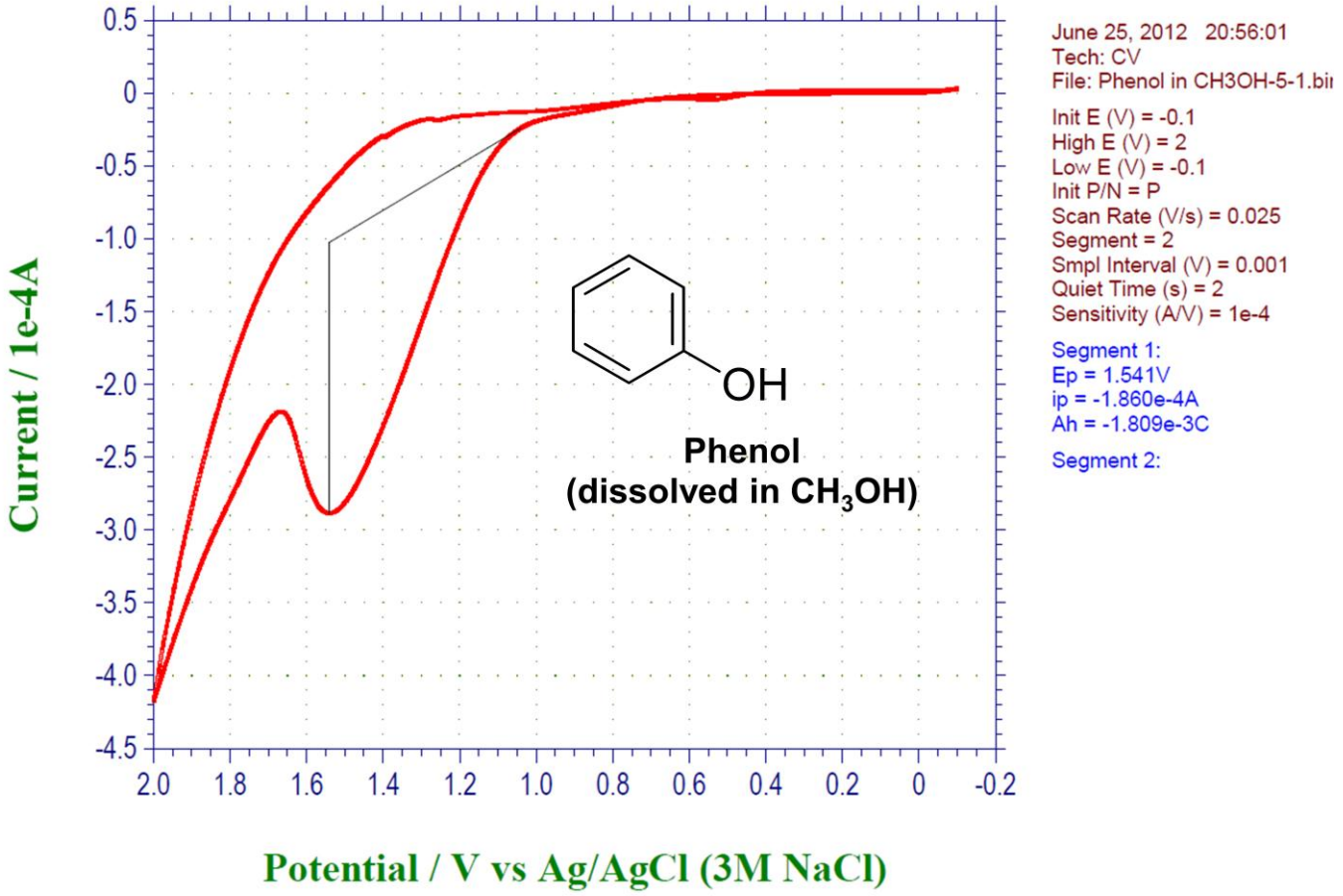
4. CV spectrum of 2,6-lutidine in CH_3CN:



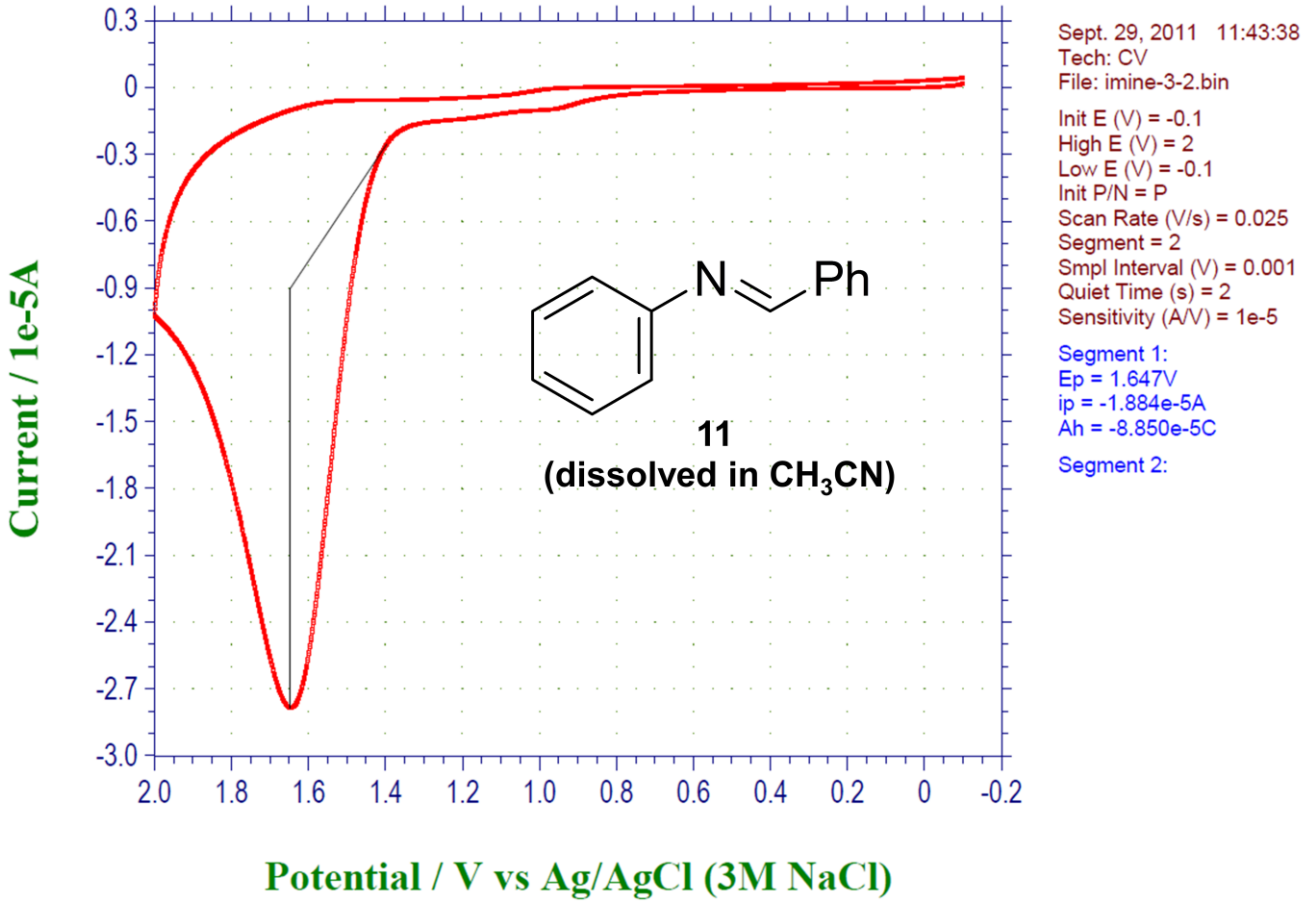
5. CV spectrum of phenol in CH_3CN:



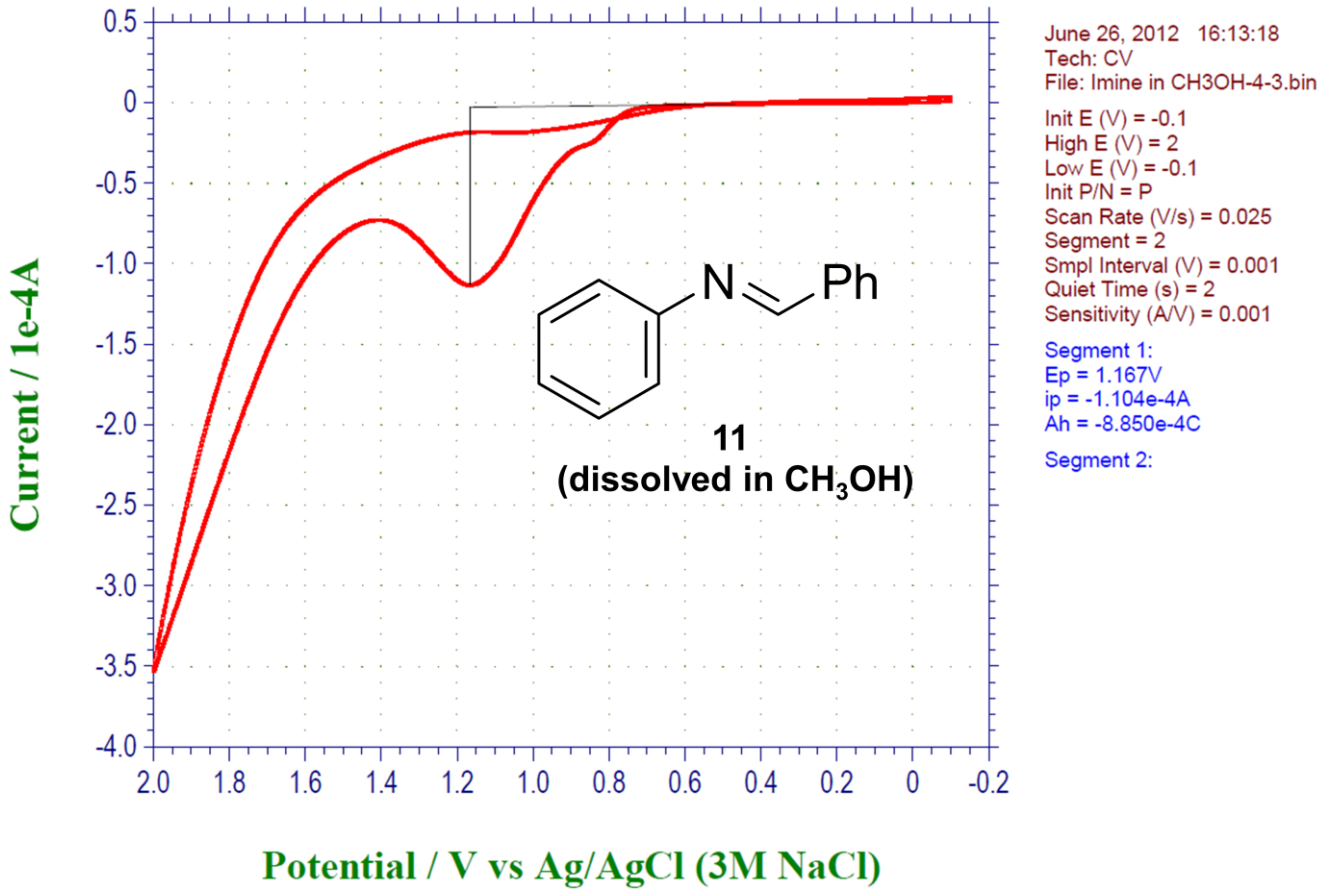
6. CV spectrum of phenol in CH_3OH:



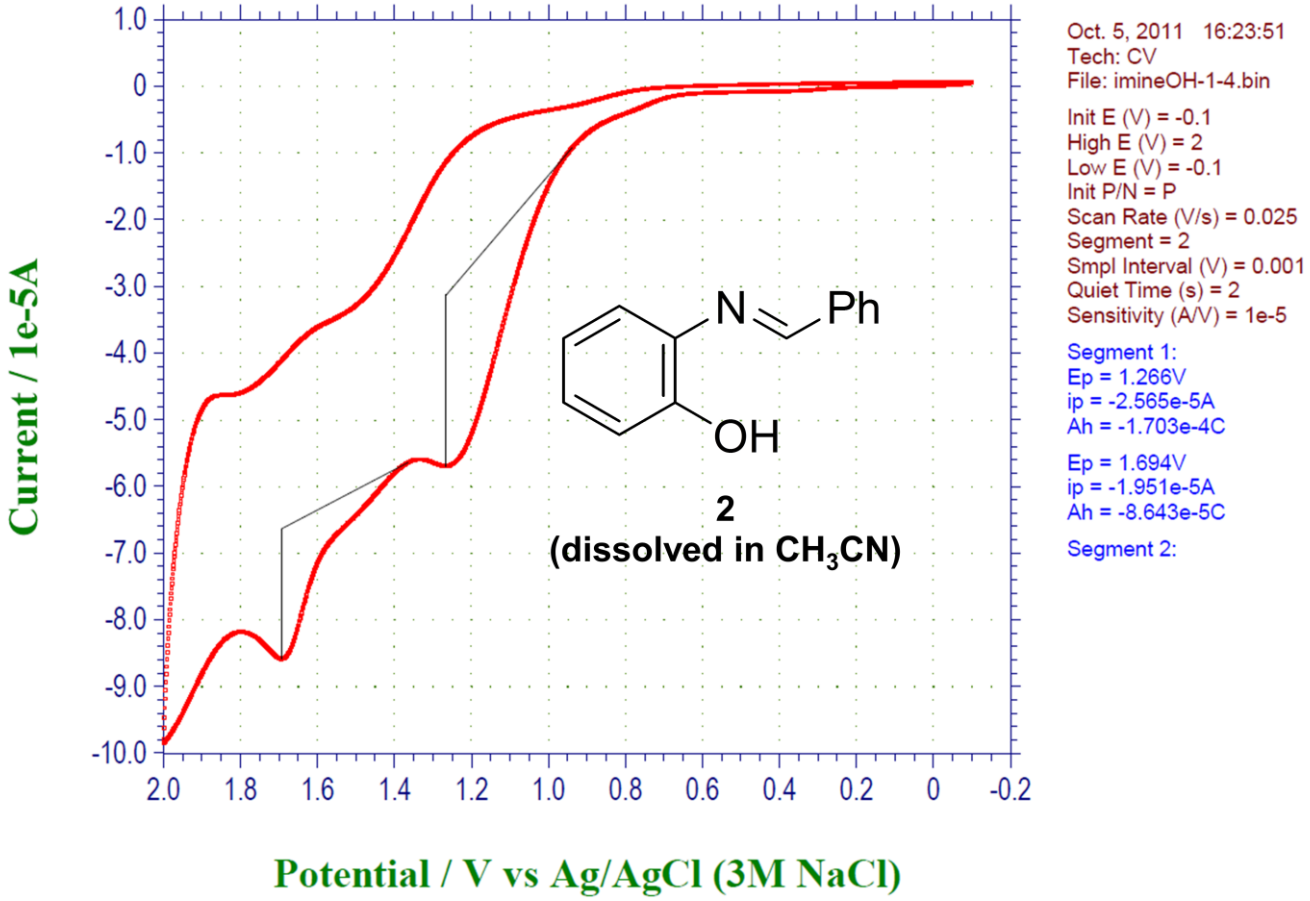
7. CV spectrum of imine (**9**) in CH_3CN:



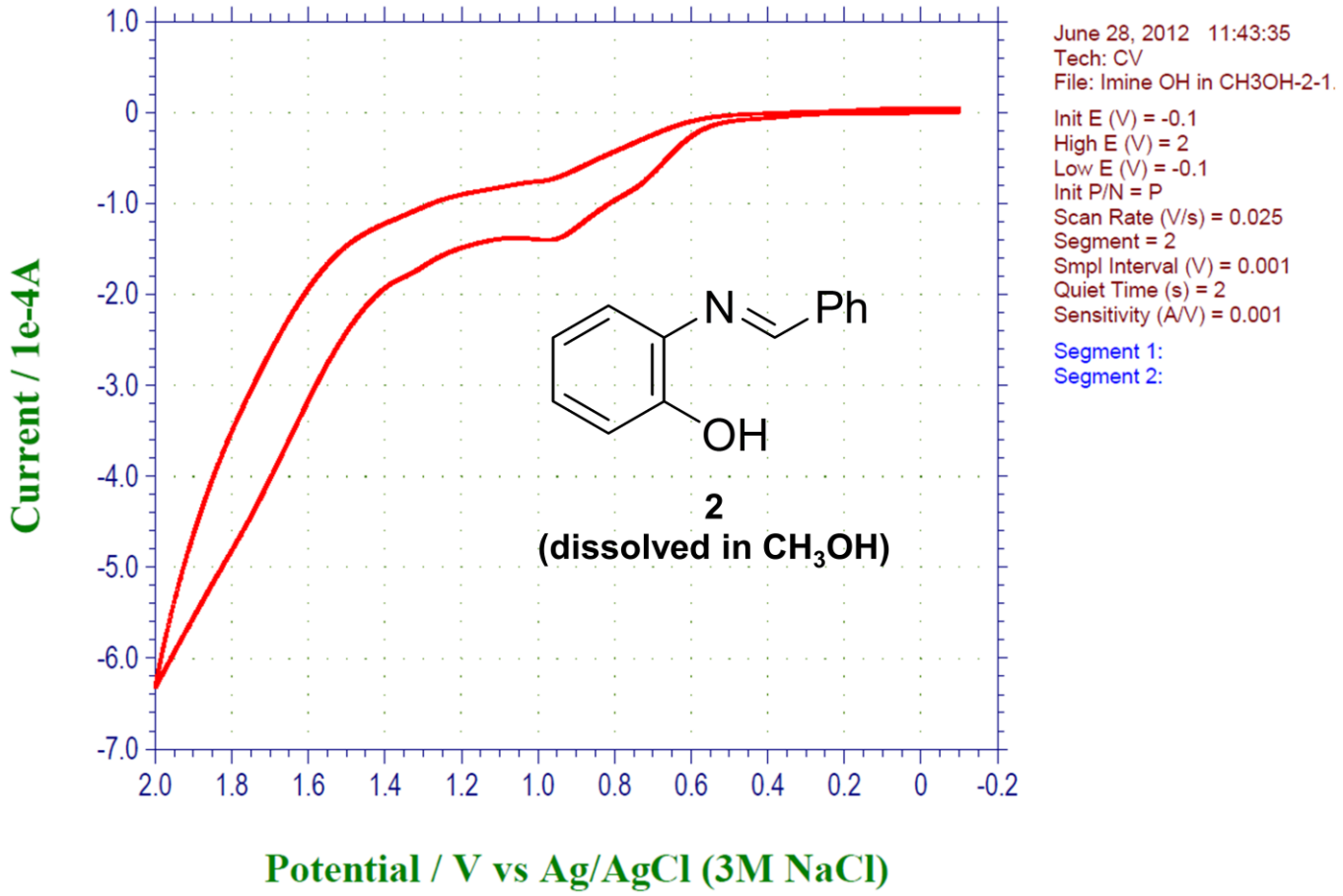
8. CV spectrum of imine (**9**) in CH_3OH:



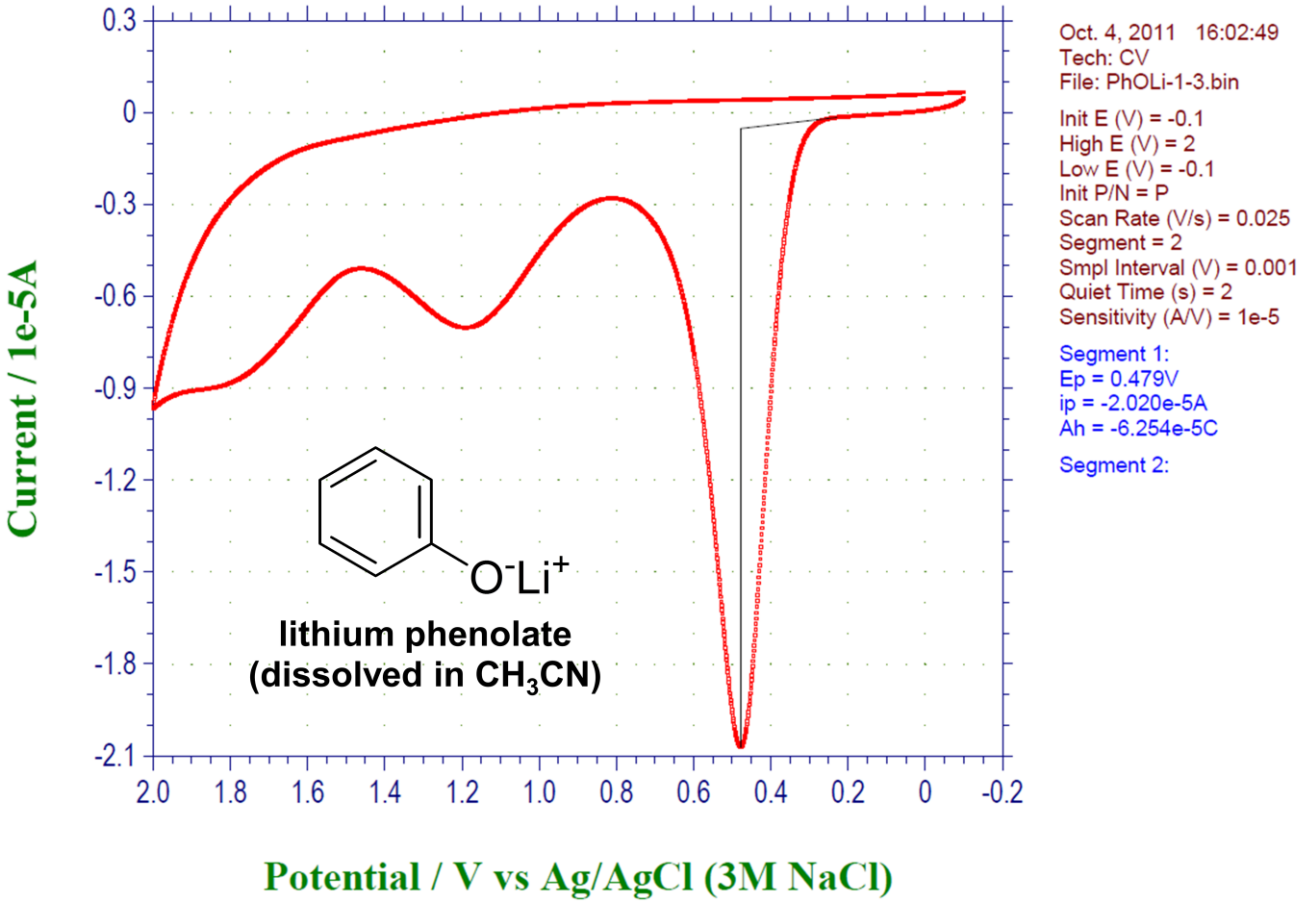
9. CV spectrum of phenolic Schiff base (**2**) in CH_3CN:



10. CV spectrum of phenolic Schiff base (**2**) in CH_3OH:



11. CV spectrum of lithium phenolate in CH_3CN:



12. CV spectrum of phenolate Schiff base (**7**) in CH_3CN: