
  
 evropský sociální fond v ČR    EVROPSKÁ UNIE    INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ


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Název:     **Electrochemical analysis of Etoposid**

Školitel:    Nguyen Viet Hoai

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Reg. č. projektu: CZ.1.07/2.4.00/31.0023  
 Název projektu: Partnerská síť centra excelentního bionanotechnologického výzkumu



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## Contents



- INTRODUCTION
- METHOD
- RESULT AND DISCUSSION
- CONCLUSION

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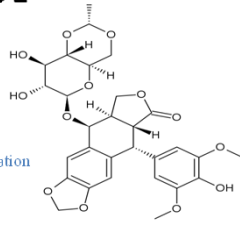
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## ETOPOSIDE

- ❖ Anticancer drug
- ❖ Causes DNA strands break due to complex formation With DNA and topoisomerase II enzyme.



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**METHOD**

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**Method**

- Automatic electrochemical detection with solid electrode (black machine) was used for detection of etoposide.
  
- Differential pulse voltammetry method was used for electrochemical detection of etoposide.

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**RESULT AND DISCUSSION**

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## Result and discussion

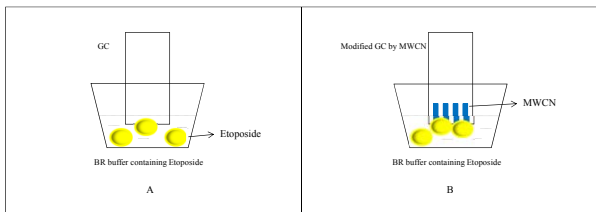


Figure 1: Comparison between two method for detection of Etoposide

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## Result and discussion

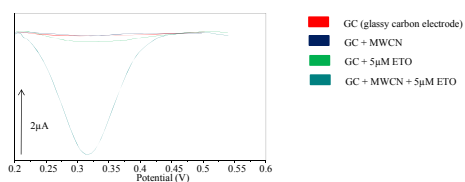


Fig. 2: Electrochemical detection of Etoposide

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## Conclusion

- MWCN can be used with the purpose of increasing signal of etoposide in electrochemical detection.

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Thanks to

- Žůrek Michal Bc
- Prof. Ing. Rene Kizek PhD

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Thank you for your attetion!

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