

Abstract

EXTRACTION AND SEPARATION OF BIOACTIVE COMPOUNDS AND EVALUATION OF ANTIOXIDANT ACTIVITY OF A. aristata PLANT EXTRACTS TOXICO

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Natural products from medicinal plants, as pure compounds or as extracts, provide unlimited opportunities for new drug leads because of the unmatched availability of chemical diversity. Recently, there has been a renewed interest in natural product research due to the failure of alternative drug discovery methods to deliver many compounds in key therapeutic areas to different diseases. To continue to be competitive with other drug discovery methods, natural product research needs to continually improve the speed of the screening, isolation, and structure elucidation processes. The aim of this study is on the application of analytical methodologies, which include extraction, isolation of natural compounds and the evaluation of antioxidant activity.

KEYWORDS: Bioactive compounds, A. aristata, separation, Antioxidant activity, DPPH, ABTS.

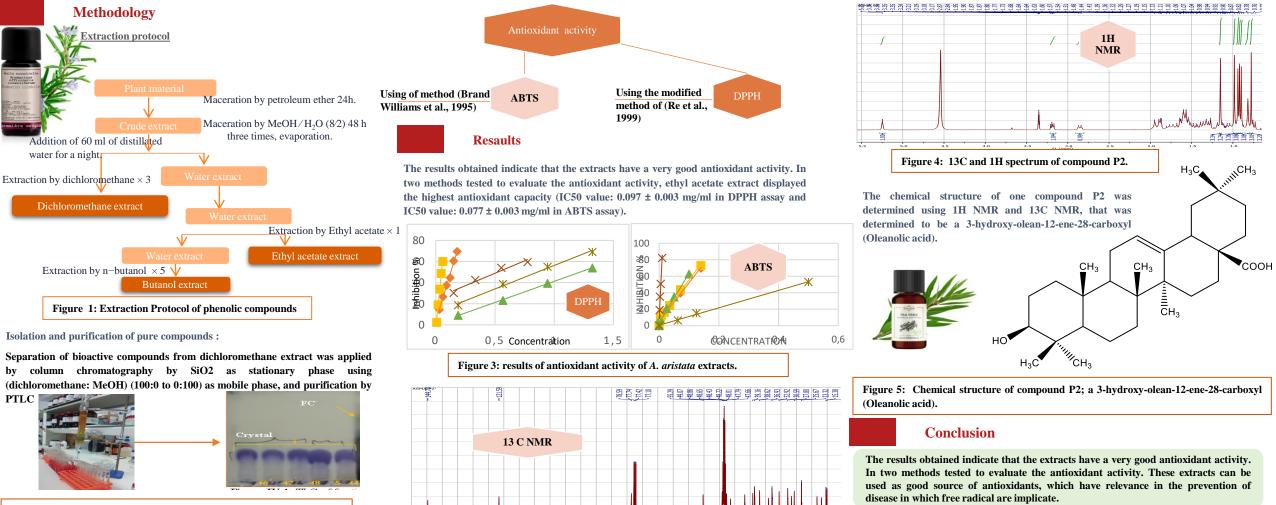


Figure 2: isolation and purification of dichloromethane extract.