ٳڸٳٙۑڿ

قال تعالى:

بسم الله الرحمن الرحيم

﴿ لَهُ مُورُ السَّمَا وَاتِ وَالْأَرْضِ مَثَلُ نُورِهِ كَمِشْكَاةٍ فِيهَا مِصْبَاحُ أَلْمِصْبَاحُ فِي زُجَاجَةٍ الزُّجَاجَةُ كَأَنَّهَا كُوكَبُّ دُرِي يُّ يُوقَدُ مِنْ شَجَرَةٍ مُبَارِكَةٍ زَيْتُونَةٍ لَا شَرْفَيَةٍ وَلَا غَرْبِيَةٍ يَكَادُ زَيْنَهَا يُضِي وُ وَلَوْ لَمْ تَمْسَسُهُ مَارُكَةٍ زَيْتُونَةٍ لَا شَرْفَيَةٍ وَلَا غَرْبِيَةٍ يَكَادُ زَيْنَهَا يُضِي وَ وَلَوْ لَمْ تَمْسَسُهُ مَارُكَةٍ وَيُتَوَاقًا عَرْبِيَةٍ يَكَادُ زَيْنَهَا يُضِي وَ وَلَوْ لَمْ تَمْسَسُهُ مَارُكَةٍ وَيُودُ عَلَى أَنُورُ السَّ

صدق الله العظيم

سورة النور، الآية (35)

Contribution

Contributing to:

Our families, groups, closed friends and all others who give a hand.

Acknowledgement

First thanks to Allah, And we would like to thank you our supervisor *Profe Mohammed Abd-Elkareem* and appreciate all the efforts and help that you had given us . and then Chemistry department , Faculty of science , Sudan University of Science and Technology for all facilities .

Also we would like to express our kind regards to Alkhartom University for the spectral meacurement .

Abstract

In this study phenolic compounds were extracted from Aprus precatorius using 95% ethanol.

The crude extracts were subjected to Thin Layer Chromatography using Butanol Acetic acid Water (4:1.5:6) for sepration. In this way compound (I) was isolated from the crude of Aprus precatorius.

The IR spectrum gave the expected functional groups for compound (I).

مستخلص الدراسة

استخلصت المركبات الفينوليه في نبات العللي بواسطة 95% ايثانول وعن طريق كروماتوغرافيا الطبقه الرقيقه تم فصل المركب (I) من نبات العللي بأستخدام بيوتانول و حمض الاسيتيك وماء كمذيب.

واوضح طيف الاشعه تحت الحمراء وجود الزمر الوظيفيه المتوقعه للمركب (I).

Table of content

Subject	Page
الأية	I
Contribution	II
Acknowledgement	III
Abstract	IV
مستخلص الدراسة	V
Table of content	VI
Chapter one : Introduction	
1-1 Natural product	1
1-2 The flavonoid	3
1-2-1 Nomenclature of flavonoid	4
1-2-2 Classification of flavonoid	5
1-2-3 Extraction of flavonoid	9
1-2-4 Separation and quantification of flavonoid	11
1-2-5 Analytical methods	17
1-2-6 Transport of flavonoid	29
1-2-7 Flavonoid pigments as tools in molecular genetics	30
1-2-8 Flavonoid as nutraceuticals	31
1-2-9 Flavonoid as signal molecules	34
1-2-10 Flavonoid function in plants	35
Chapter two: Experimental procedure	
2-1 Sample collection	38

2-2 Preparation of the sample	38
2-3 Extraction of the sample	38
2-4 Chromatograghy	38
2-4-1 Thin Layer Chromatograghy	38
Chapter three: Rsults and discution	
3-1 Result and discution	40
3-2 Figure 5 Spectral data of compound I	41
References	42-51