

List of contents

	Page
Chapter one	
Introduction	1
1.1-Flavonoids	1
1.2-Classification of flavonoids	2
1.3-Synthesis of flavonoids	7
1.4-Chalcones	11
1.5- <i>trans</i> - and <i>cis</i> - dihydroflavonols	12
1.6-Isolation technique of flavonoids	13
1.7- Identification technique of flavonoids	17
1.7.1 Chemical methods	17
1.7.2- Physical methods	18
1.7.2.1-Ultra violet and visible spectrometry	18
1.7.2.2-Proton magnetic resonance spectroscopy	19
1.7.2.3- Mass spectrometry	19
1.8- Isolation of flavonoids	20
1.9-Biological activity of flavonoids	22
1.10- <i>Geigeria alata</i> (DC.)	34
1.10.1- Botanical description	34

1.10.2- Traditional medicine	34
1.11 –Aim of the study	36

Chapter two

Materials and methods

2.1 Materials	37
2.1.1 Aparatus	37
2.1.2 Instruments	37
2.1.3 Plant materials	37
2.2 Methods	37
2.2.1 Preparation of reagents for phytochemical screening	37
2.2.2 Preparation of UV shift reagents	39
2.2.3 Step wise procedure for the use of shift reagents	39
2.2.4 Prepartion of plant material for phytochemical screening	40
2.2.4.1 Test for estrols and triterepenes	40
2.2.4.2 Test for alkaloids	41
2.2.4.3 Test for flavonoids	41
2.2.4.4 Test for tannins	41
2.2.4.5 Test for saponins	42
2.2.5 Extraction of flavonoids	42
2.2.6Fractionation of the crude extract	42

Chapter three

Results and discussion	
3.1-Identification of compound I	43
3.2-Identification Of compound II	50
3.3-Identification of compound III	55
Recommendation	61
References	67

List of figures

1. Fig 1 <i>Geigeria alata</i> (DC) Benth	35
2. Fig 2 flowers and leaves of <i>geigeria alata</i> (DC)	35
3. Fig 3 IR spectrum of compound 1	43
4. Fig 4 UV spectrum of compound 1	44
5. Fig 5 Sodium methoxide spectrum of compound 1	45
6. Fig 6 Sodium acetate spectrum of compound 1	46
7. Fig 7 Aluminium chloride spectrum of compound 1	47
8. Fig 8 boric acid spectrum of compound 1	48
9. Fig 9 ¹ H NMR spectrum of compound 1	49
10. Fig 10 mass spectrum of compound 1	49
11. Fig 11 IR spectrum of compound II	50
12. Fig 12 UV spectrum of compound II	51
13. Fig 13 sodium methoxide spectrum of compound II	51
14. Fig 14 sodium acetate spectrum of compound II	52
15. Fig 15 Aluminium chloride spectrum of compound II	52
16. Fig 16 boric acid spectrum of compound II	53
17. Fig 17 Fig 15 the ¹ H NMR spectrum of compound II	54
18. Fig 18 mass spectrum of compound II	54
19. Fig 19 IR spectrum of compound III	55
20. Fig 20 UV spectrum of compound III	56
21. Fig 21 sodium methoxide spectrum of compound III	56
22. Fig 22 sodium acetate spectrum of compound III	57
23. Fig 23 aluminium chloride of compound III	57
24. Fig 24 aluminium chloride/HCl of compound III	58
25. Fig 25 boric acid spectrum of compound III	58
26. Fig 26 ¹ H NMR spectrum of compound III	59
27. Fig 27 mass spectrum of compound III	59

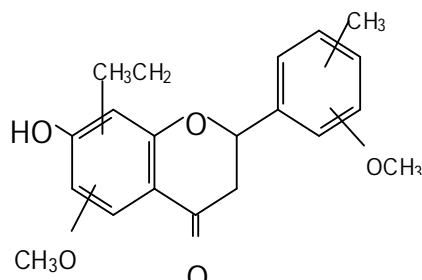
Abstract

The research aim to study the flavonoids of *Geigeria alata* (DC). From the ethanolic extract three fractions were prepared ethyl acetate, chloroform and n, butanol.

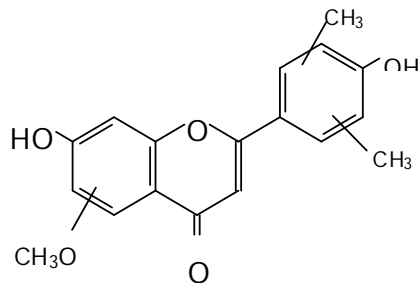
From the ethyl acetate fraction two flavonoids were isolated compound I and compound II. From the n-butanol one compound was isolated compound III.

These compounds were purified by different chromatographic techniques and identified via spectroscopic tools: IR, UV, ¹H NMR and mass spectroscopy. The following tentative structures were suggested:

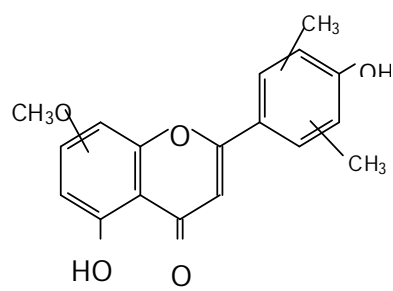
Compound I:



Compound II:



Compound III:

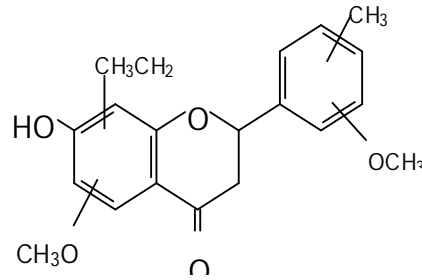


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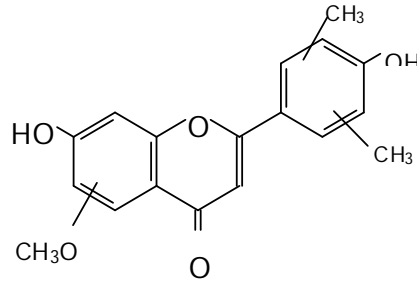
درست المركبات الفلافونويدية لاوراق شجيرة القدقاط . من المستخلص الكحولي لاوراق شجيره القدقاط تم تحضير ثلاثه مستخلصات وهى مستخلص الكلوروفورم, مستخلص الاثيل اسيتيت ومستخلص البيوتانول. تم استخلاص ثلاثه مركبات نقيه اثنان من مستخلص الاثيل اسيتيت ومركب واحد من مستخلص البيوتانول وذلك عن طريق تقنيه الكروماتوغرافيا. تمت تسميه هذه المركبات ب المركب 1 , المركب II والمركب III

عرفت التراكييب لهذه المركبات بواسطه اطياف الاشعه تحت الحمراء, الاشعه فوق البنفسجيه, الرنين المغناطيسى وطيف الكتله وتم اقتراح البنيات التركيبيه التاليه لهذه المركبات.

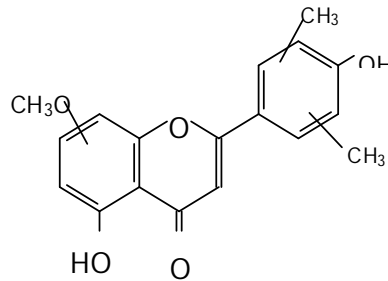
المركب 1



المركب II



المركب III



Dedication

To the soul of my father, mother, husband, children, brother and sisters

Acknowledgement

I would like to thank Allah Almighty for giving me the strength to do this work.

First and foremost I would like to extend my deepest gratitude to all the parties involved in this research. First of all a special thanks to my supervisor Prof. Mohammed Abed Alkarim for his willingness in overseeing the progress of my research work from its initial phase till the completion of it.

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