SUPPLEMENTARY MATERIAL

A new linoleiyl arabinopyranoside from the bark of *Bauhinia racemosa* Lam and a new flavonoidal glycoside from the leaves of *Cordia dichotoma* Linn

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Abstract

Phytochemical investigation is very valuable for the ethnomedicinally important plants *Bauhinia racemosa* Lam (BR) and *Cordia dichotoma* Linn (CD) used for the cure of variety of ailments. Present study was thus designed for phytochemical investigation of BR bark and CD leaves. Phytoconstituents were isolated from the methanolic extracts of the plants by column chromatography using silica gel as stationary phase. The structures had been established on the basis of their physicochemical and spectral data i.e., IR, ¹H-NMR, ¹³C-NMR, MS. Elution of the columns with different solvents furnished six compounds (**1-6**) from the methanolic extract of BR bark and three compounds (**7-9**) from the methanolic extract of CD leaves which were structurally elucidated. The present phytochemical investigation reported several new compounds useful in increasing the existing knowledge of phytoconstituents from BR bark and CD leaves which is very valuable as these drugs are used in the Indian traditional systems of medicine.

Key words: *Bauhinia racemosa*; *Cordia dichotoma*; glycosides; isolation; phytoconstituents

Report

Filename C:\Documents and Settings\admin\Desktop\stlab1\PEService 199.sp
Analyst PEService
Description Sample 199 By PEService Date Thursday, January 01 2015

Spectrum Graph

Name	Description
PEService 199	Sample 199 By PEService Date Thursday, January 01 2015

Compare Result

Peak Table Results

SpectrumName
PEService 199

PeakName	X	Y
8	669.03	46.23
7	757.99	16.78
6	1085.04	47.99
5	1215.65	29.99
4	1384.76	45.48
3	1598.84	44.32
2	3019.71	32.82
1	3400.79	32.55

Sample - AZ-1
SATEN-8494

Figure S1. IR spectra of the compound **5**.

Figure S2. ^1H -NMR spectra of the compound **5**.

Figure S3. Elaborated ^1H -NMR spectra of the compound **5**.

Figure S4. Elaborated ^1H -NMR spectra (another) of the compound **5**.

Figure S5. Elaborated ^1H -NMR spectra (another1) of the compound **5**.

Figure S6. ^{13}C -NMR spectra of the compound **5**.

Figure S7. Elaborated ^{13}C -NMR spectra of the compound **5**.

Printed: Mon Jan 05 14:56:32 2015

Figure S8. MS spectra of the compound **5**. Figure S9. Elaborated MS spectra of the compound **5**.

Report

Filename C:\Documents and Settings\admin\Desktop\stlab1\PEService 2847.sp
Analyst PEService
Description Sample 2847 By PEService Date Thursday, January 01 2015

Spectrum Graph

Name	Description
PEService 2847	Sample 2847 By PEService Date Thursday, January 01 2015

Compare Result Peak Table Results

SpectrumName
PEService 2847

PeakName	X	Y
8	669.05	45.05
7	757.69	12.42
6	1084.45	49.26
5	1215.57	27.09
4	1384.64	46.79
3	1599.77	45.64
2	3019.65	33.49
1	3399.84	32.97

Sample No - AZ-9
SAIF No - 8494

Figure S10. IR spectra of the compound 7.

Figure S11. ^1H -NMR spectra of the compound **7**.

Figure S12. Elaborated ^1H -NMR spectra of the compound **7**.

Figure S13. Elaborated ^1H -NMR spectra (another) of the compound **7**.

Figure S14. Elaborated ^1H -NMR spectra (another1) of the compound **7**.

Figure S15. ^{13}C -NMR spectra of the compound **7**.

Figure S16. Elaborated ^{13}C -NMR spectra of the compound **7**.

Figure S17. Elaborated ^{13}C -NMR spectra (another) of the compound **7**.

Figure S18. Elaborated ^{13}C -NMR spectra (another1) of the compound **7**.

Figure S19. MS spectra of the compound 7.

Figure S20. Elaborated MS spectra of the compound 7.