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Original Research

Phytochemical Screening and Characterization of Olean-18-ene Type Triterpeniod from the Roots of *Lantana camara*

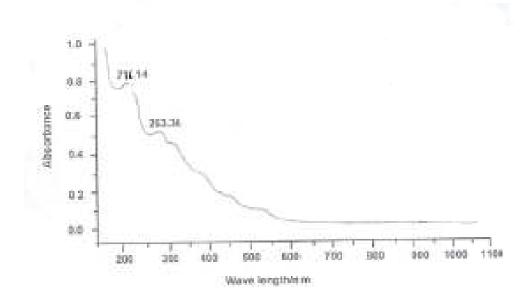
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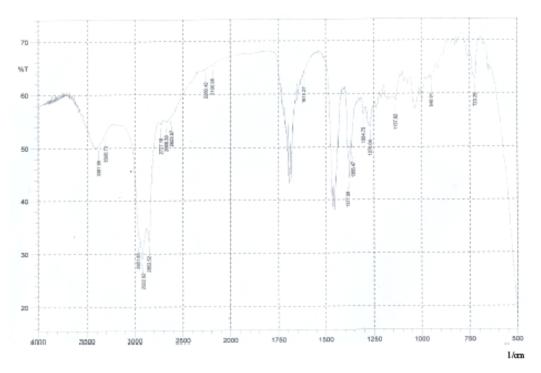
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Abstract	Article Information
Lantana camara, commonly called wild or red sage or sleeper weed is the most widely spread species of the genus Lantana traditionally used to treat various diseases such as diarrhea, fever, and stomachache. It has also been reported to show antifungal, antiproliferative, insecticidal, antimicrobial and germicidal activity. Phytochemical screening of the methanol extract revealed the presence of flavanoids, terpenes, saponins and the absence of anthraquinones and alkaloids. Silica gel column chromatographic separation of the methanol root extract yielded an olean-18-ene type triterpene. Complete characterization of the isolated compound was done using spectroscopic techniques (UV-Vis, IR, ¹ H-NMR, ¹³ C-NMR, DEPT-135, COSY, HMBC and HSQC). Copyright@2015 STAR Journal, Wollega University. All Rights Reserved.	Article History: Received: 12-02-2015 Revised: 23-03-2015 Accepted: 24-03-2015 Keywords: Lantana camara Terpene Olean-18-ene type triterpene *Corresponding Authors: Milkyas Endale E-Mail: milkyasendale@yahoo.com Kebede Taye E-Mail: kebetila@gmail.com

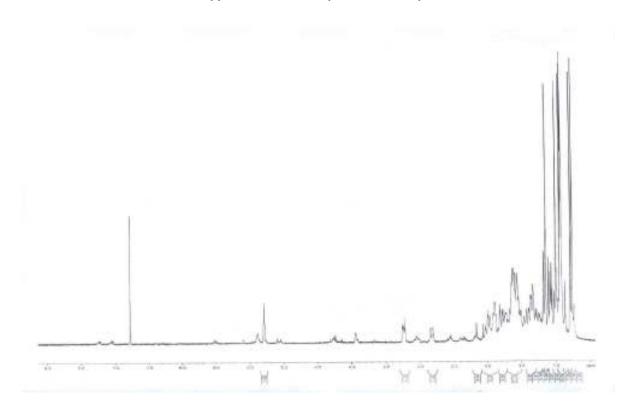
Appendix 1: UV-Vis spectrum of compound 1



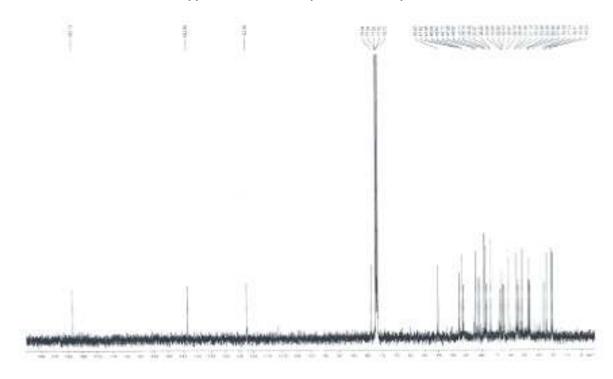
Appendix 2: IR spectrum of compound 1



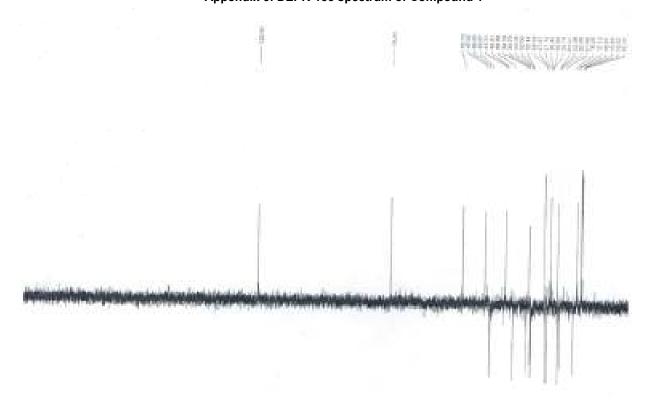
Appendix 3: ¹H NMR spectrum of compound 1



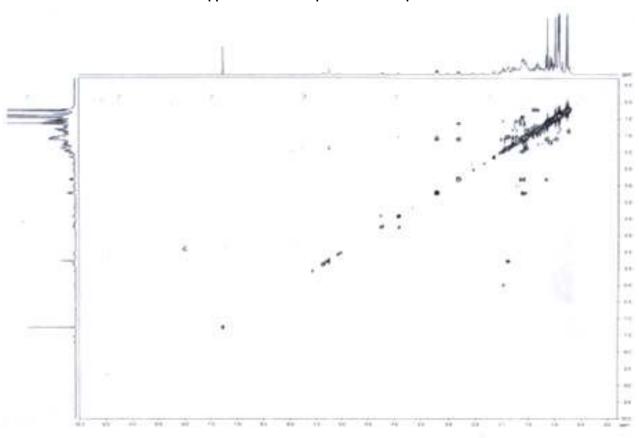
Appendix 4: ¹³C NMR spectrum of compound 1



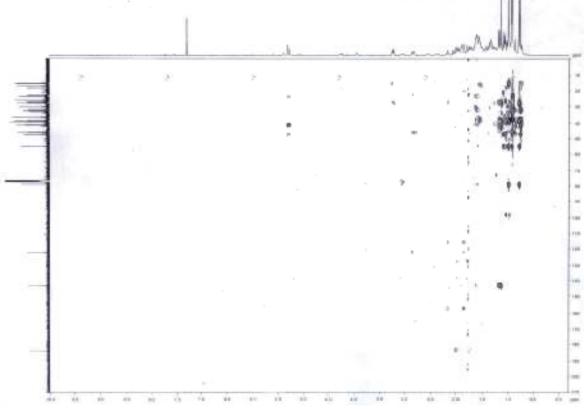
Appendix 5: DEPR-135 spectrum of Compound 1



Appendix 6: COSY spectrum of compound 1



Appendix 7: gHMBC spectrum of compound 1



Appendix 8: HSQC spectrum of compound 1

