

## Supporting document

### **Quantitative UPLC-MS/MS analysis of obliquumol from *Ptaeroxylon obliquum* extracts and biological activities of its semi-synthesised derivative ptaeroxylinol**

**T.E. Ramadwa<sup>a,b\*</sup>, M.A. Selepe<sup>c</sup>, M.S. Sonopo<sup>d</sup>, L.J. McGaw<sup>a</sup>, J.N. Eloff<sup>a</sup>**

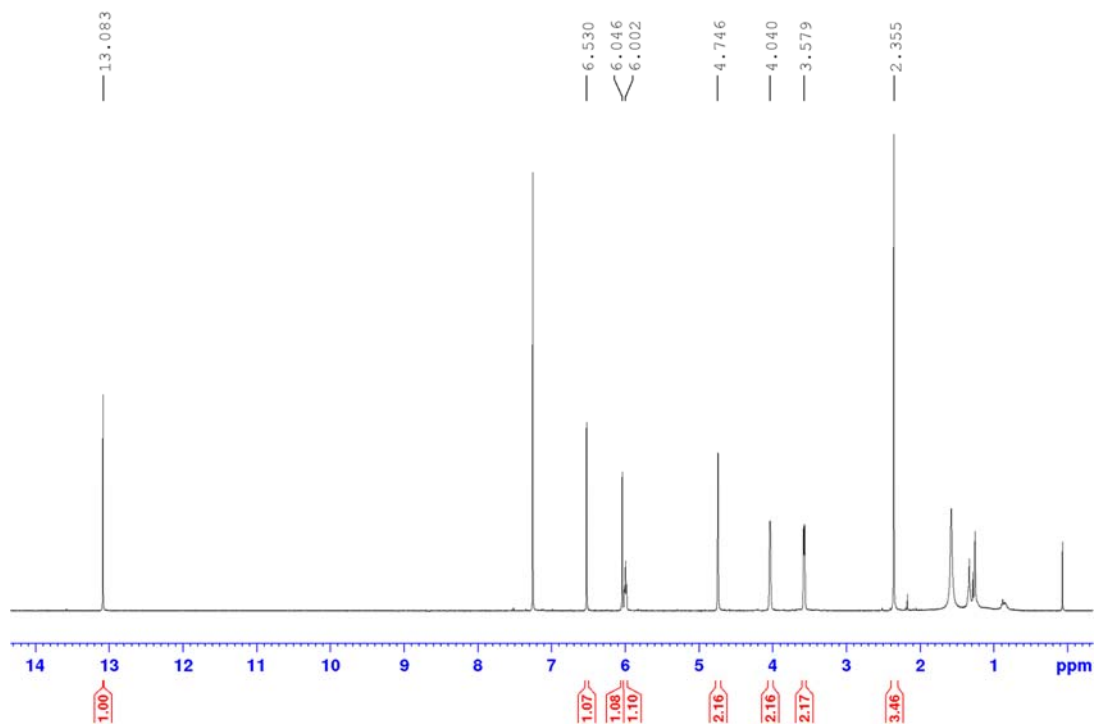
*<sup>a</sup>Phytomedicine Programme, Department of Paraclinical Sciences, Faculty of Veterinary Science, University of Pretoria, Private Bag X04, Onderstepoort 0110, Pretoria, South Africa*

*<sup>b</sup>Department of Life and Consumer Sciences, College of Agriculture and Environmental Sciences, Florida Campus, University of South Africa, Private Bag X6, Florida, 1710, South Africa*

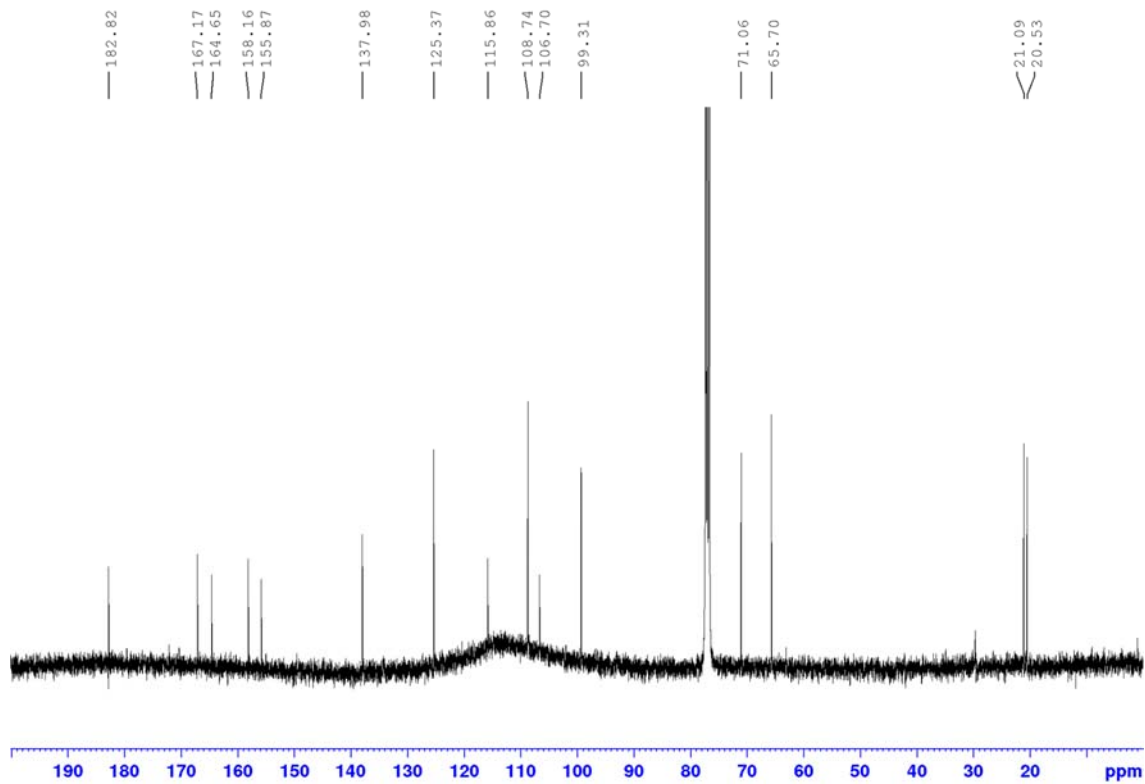
*<sup>c</sup>Department of Chemistry, University of Pretoria, Private Bag X20, Hatfield 0028, Pretoria, South Africa*

*<sup>d</sup>Radiochemistry, South African Nuclear Energy Corporation, P.O Box 582, Pelindaba, South Africa*

**<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of ptaeroxylinol**



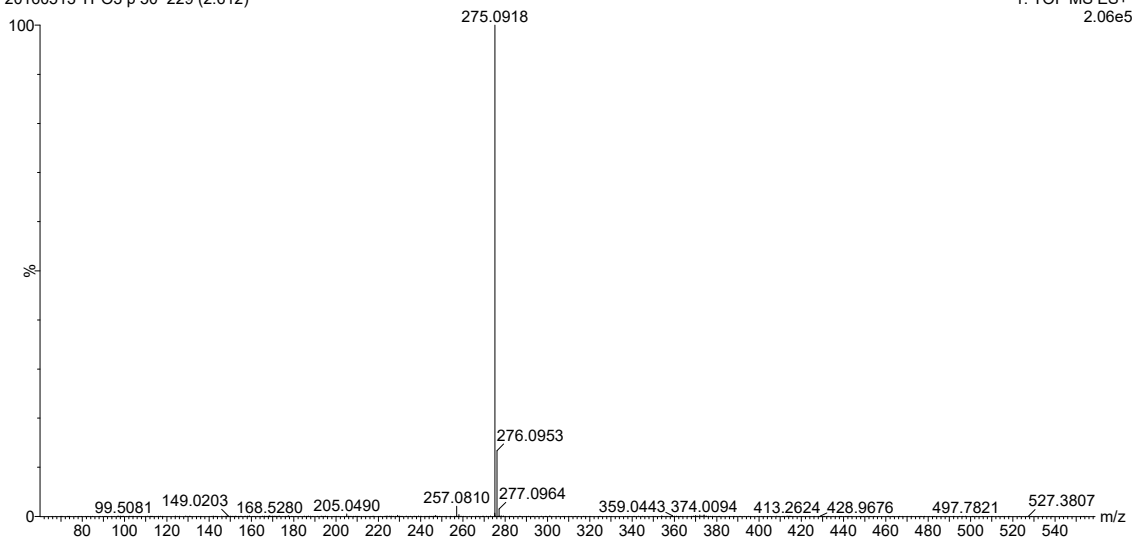
**<sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of ptaeroxylinol**



# HRESIMS of ptaeroxylinol

20160513 TPO3 p 50 229 (2.612)

1: TOF MS ES+  
2.06e5



# Calibration curve of obliquumol

Compound name: TPO1  
Correlation coefficient:  $r = 0.997738$ ,  $r^2 = 0.995481$   
Calibration curve:  $261.925 \times x - 21.2068$   
Response type: External Std Area  
Curve type: Linear, Origin, Exclude, Weighting: 1/x, Axis trans: None

