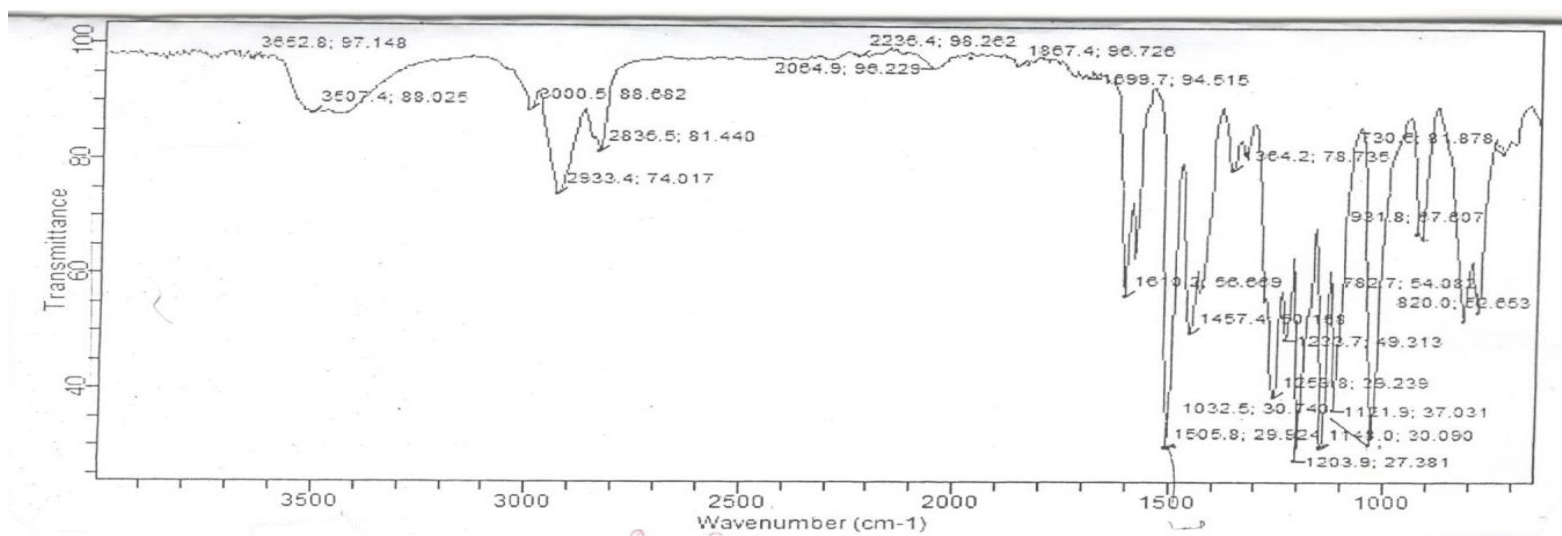


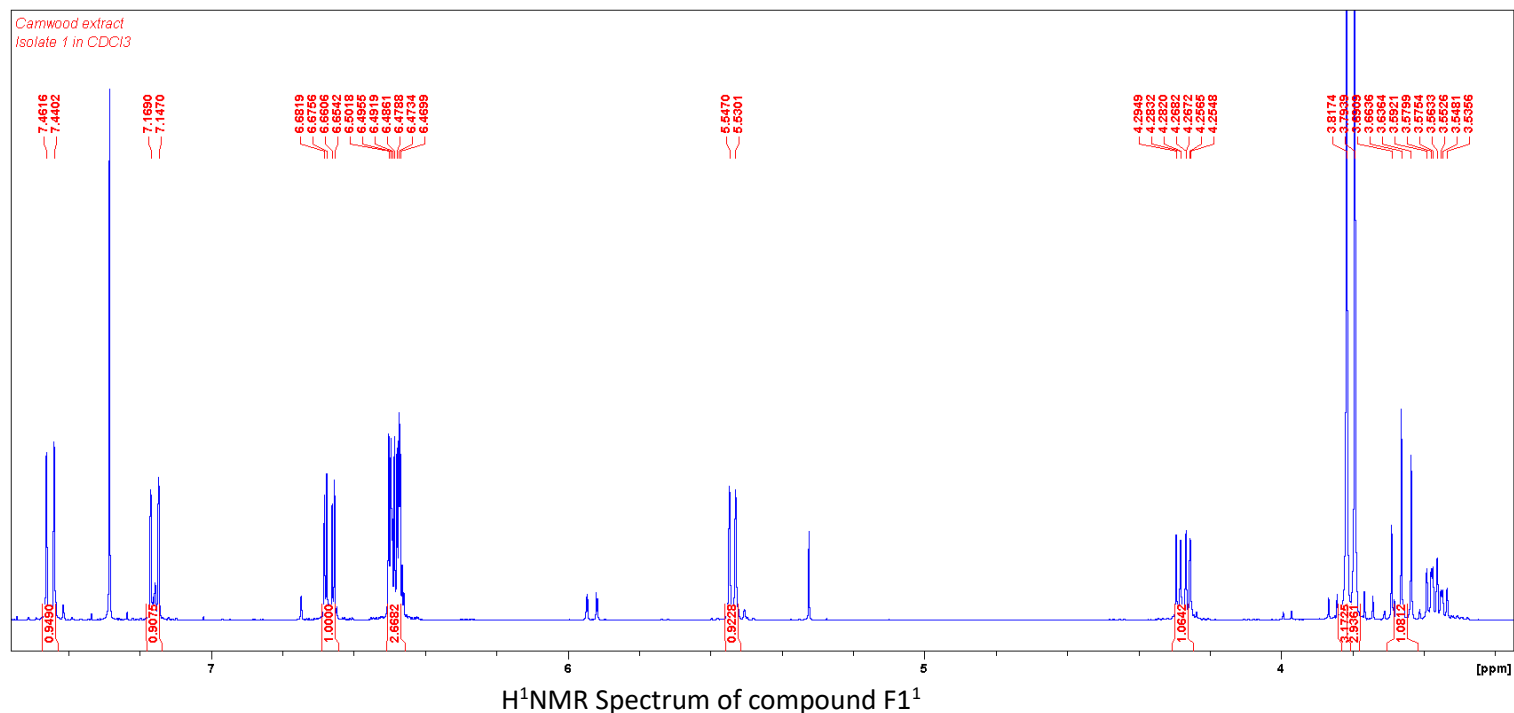
Isolation of an isoflavonoid and a terpenoid from the heartwood of *Baphia nitida* Lodd. (camwood)

Gloria Ihuoma NDUKWE*, Amarachi OLUAH and Godswill Kuta FEKARURHOB

Supporting Documents



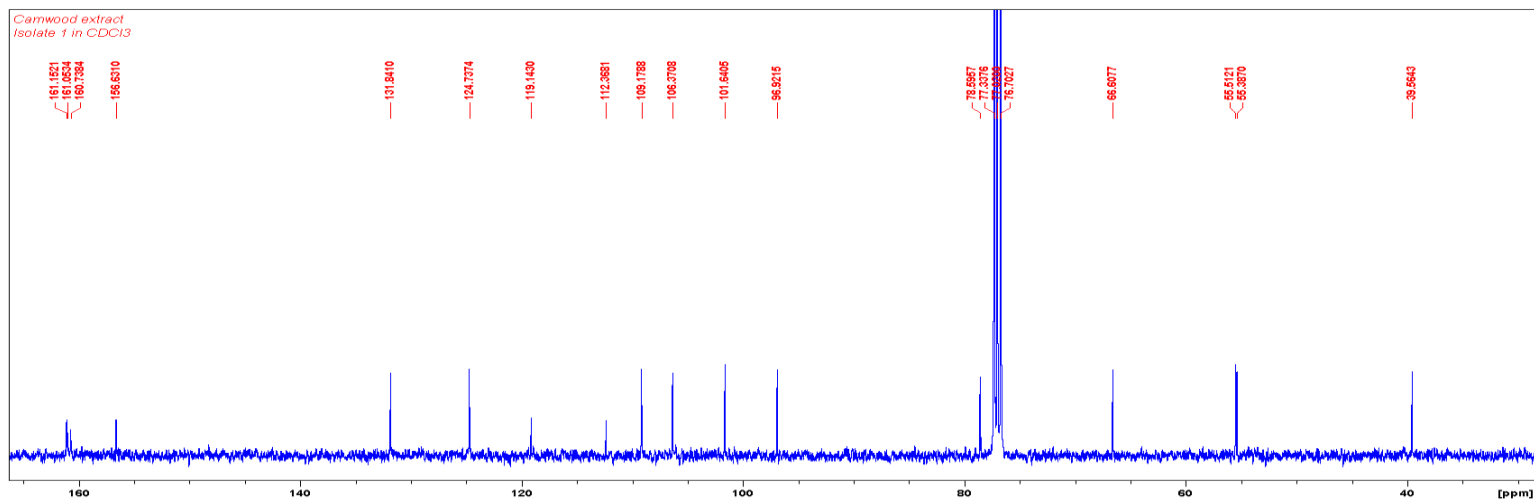
FTIR Spectrum of compound F1¹



H¹NMR Spectrum of compound F1¹

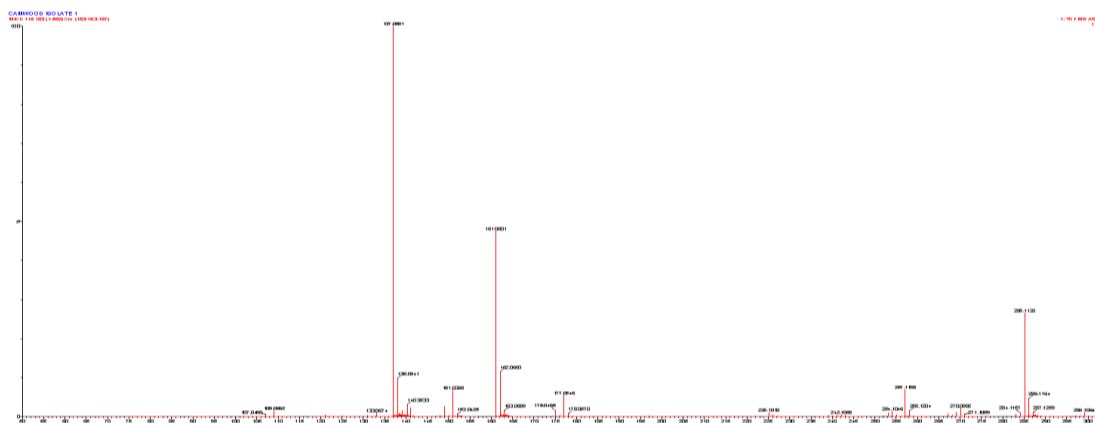
Isolation of an isoflavonoid and a terpenoid from the heartwood of *Baphia nitida* Lodd. (camwood)

Gloria Ihuoma NDUKWE*, Amarachi OLUAH and Godswill Kuta FEKARURHOB



^{13}C NMR Spectrum of compound F1¹

ACCURATE MASS ASAP ANALYSES WITH ELEMENTAL COMPOSITION



Elemental Composition Report: CAMWOOD ISOLATE 1

Single Mass Analysis

Tolerance = 5.0 PPM / DBE: min = -1.5, max = 100.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

48 formula(e) evaluated with 1 results within limits (up to 10 closest results for each mass)

Elements Used:

C: 0-50 H: 0-250 O: 0-30

Minimum:

-1.5

Maximum:

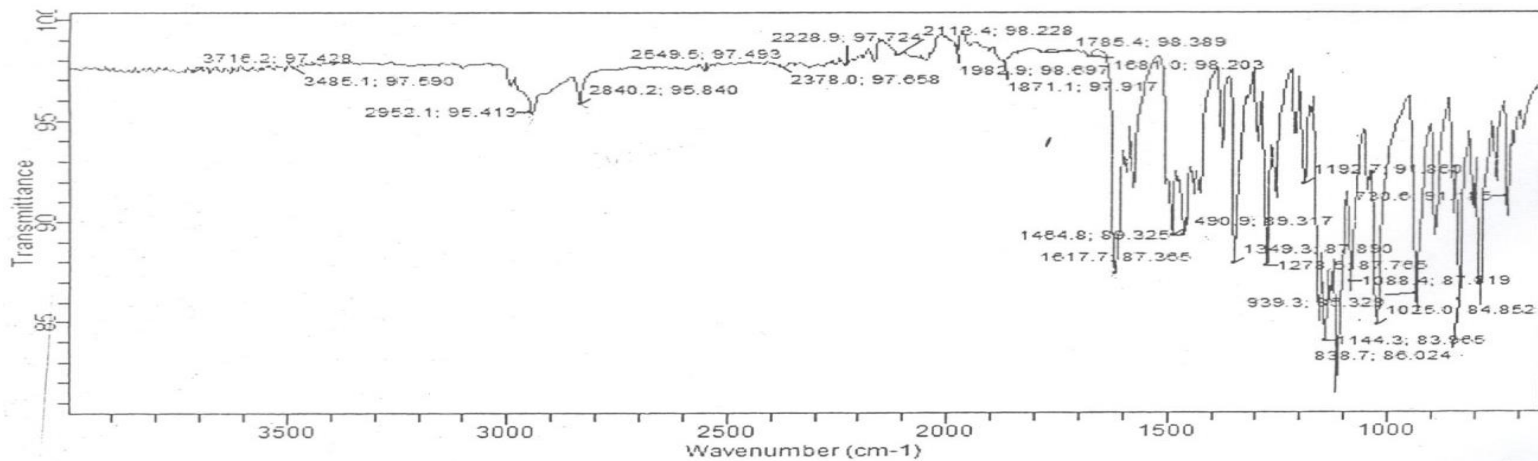
100.0

| Mass | Calc. Mass | mDa | PPM | DBE | i-FIT | i-FIT (Norm) | Formula |
|----------|------------|-----|-----|-----|-------|--------------|------------|
| 285.1128 | 285.1127 | 0.1 | 0.4 | 9.5 | 219.7 | 0.0 | C17 H17 O4 |

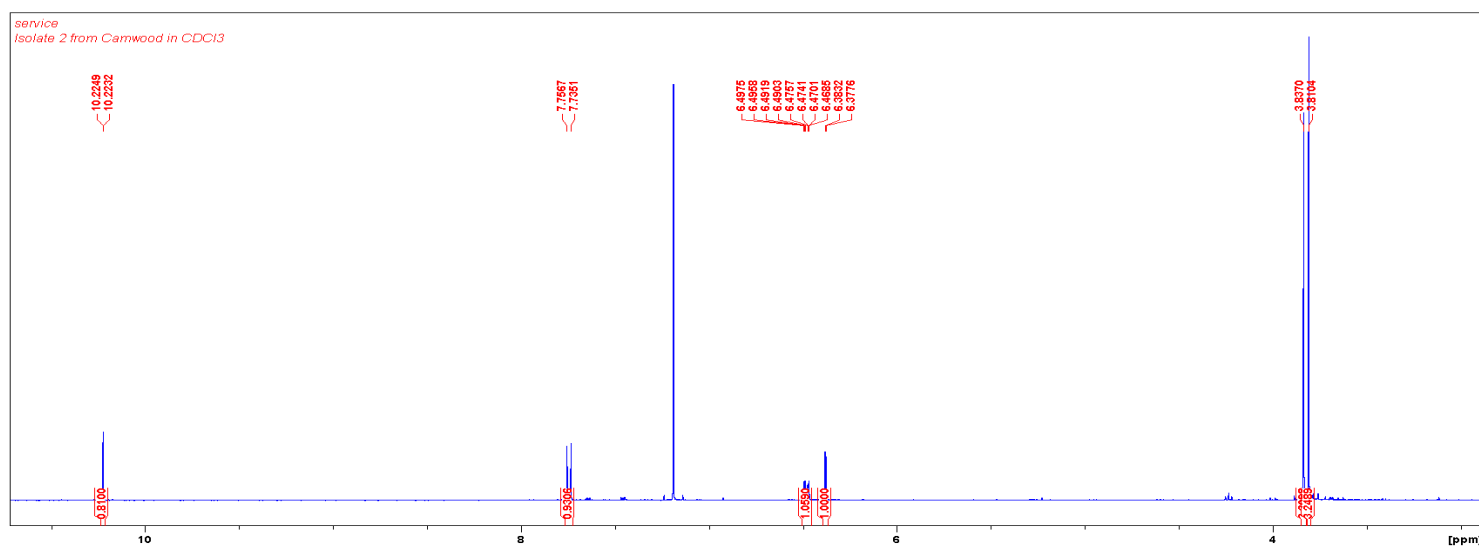
Mass Spec spectrum of Compound F1¹

Isolation of an isoflavonoid and a terpenoid from the heartwood of *Baphia nitida* Lodd. (camwood)

Gloria Ihuoma NDUKWE*, Amarachi OLUAH and Godswill Kuta FEKARURHOB



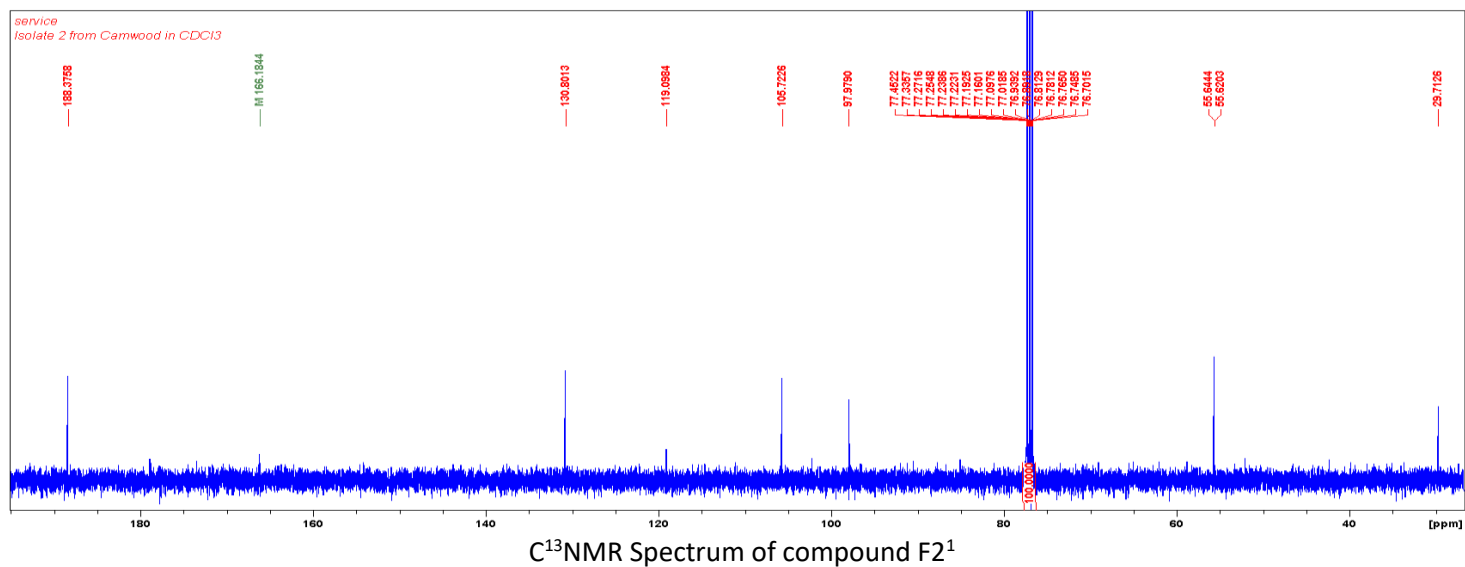
FTIR Spectrum of compound F2¹



¹H NMR Spectrum of compound F2¹

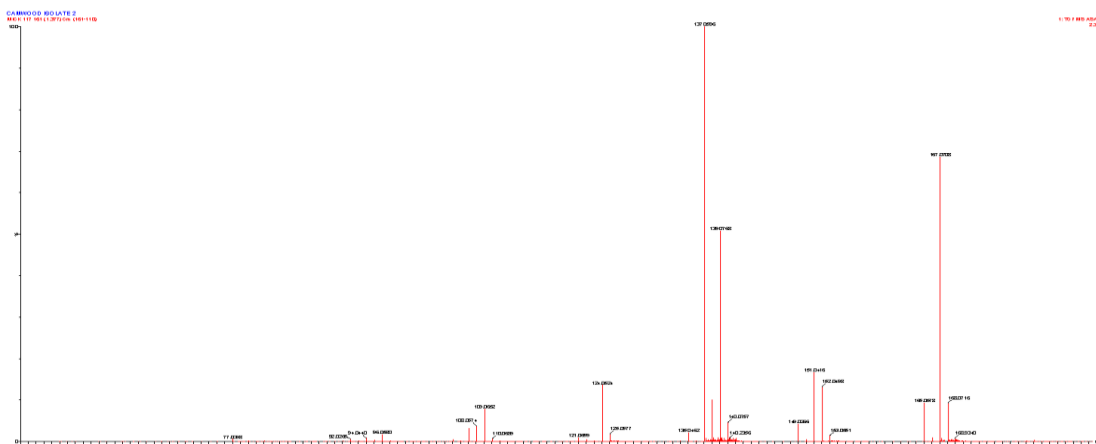
Isolation of an isoflavonoid and a terpenoid from the heartwood of *Baphia nitida* Lodd. (camwood)

Gloria Ihuoma NDUKWE*, Amarachi OLUAH and Godswill Kuta FEKARURHOBO



Isolation of an isoflavonoid and a terpenoid from the heartwood of *Baphia nitida* Lodd. (camwood)

Gloria Ihuoma NDUKWE*, Amarachi OLUAH and Godswill Kuta FEKARURHOBO



Elemental Composition Report: CAMWOOD ISOLATE 2

Single Mass Analysis

Tolerance = 5.0 PPM / DBE: min = -1.5, max = 100.0

Element prediction: Off

Number of isotope peaks used for i-FIT = 3

Monoisotopic Mass, Even Electron Ions

24 formula(e) evaluated with 1 results within limits (up to 10 closest results for each mass)

Elements Used:

C: 0-50 H: 0-250 O: 0-30

Minimum:

-1.5

Maximum:

100.0

| Mass | Calc. Mass | mDa | PPM | DBE | i-FIT | i-FIT (Norm) | Formula |
|----------|------------|-----|-----|-----|-------|--------------|---|
| 167.0708 | 167.0708 | 0.0 | 0.0 | 4.5 | 236.9 | 0.0 | C ₉ H ₁₁ O ₃ |

Mass Spec spectrum of Compound F2¹