



Isolation, structure elucidation and bioactivity of secondary metabolites produced by marine derived *Streptomonospora arabica* VSM-25

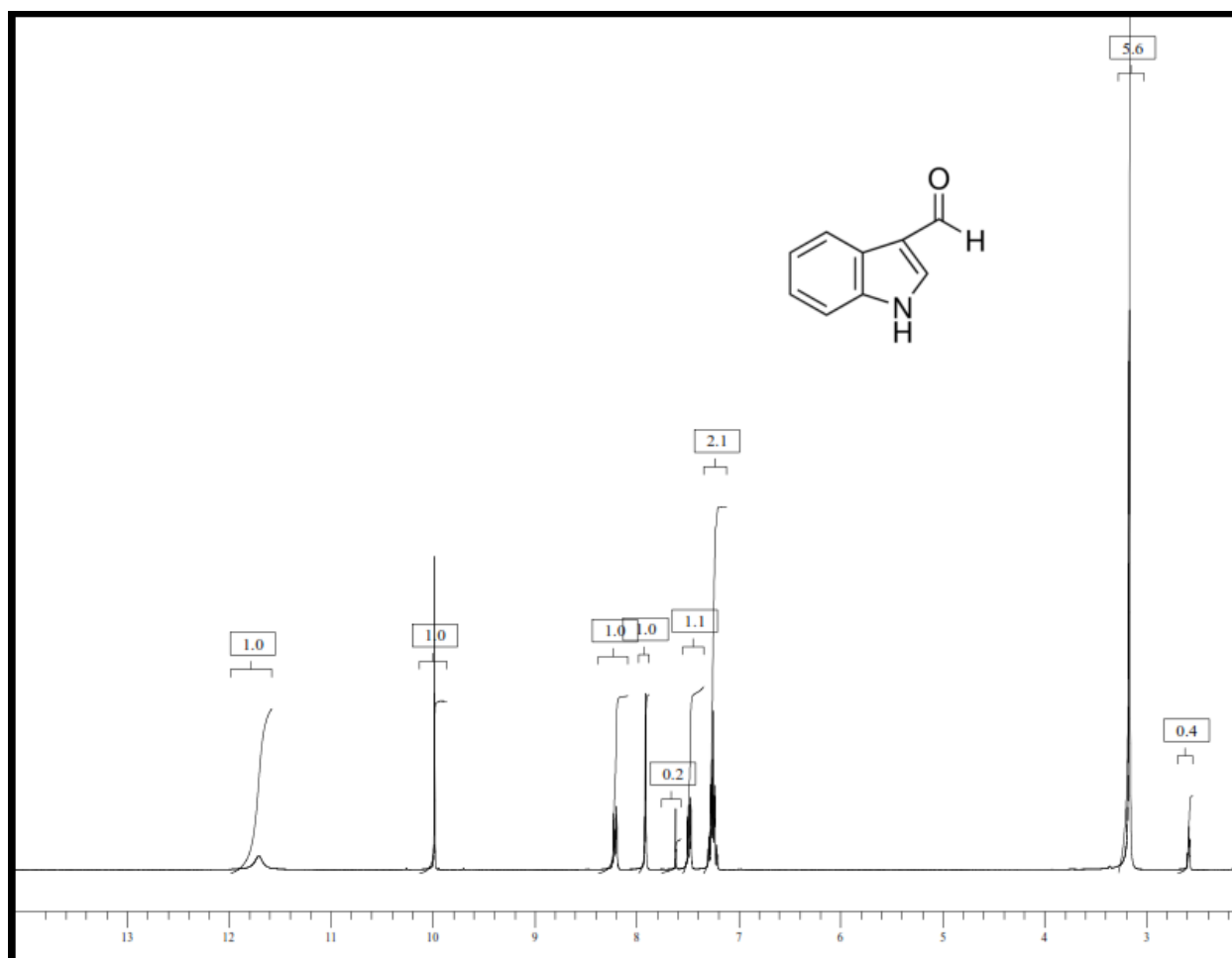
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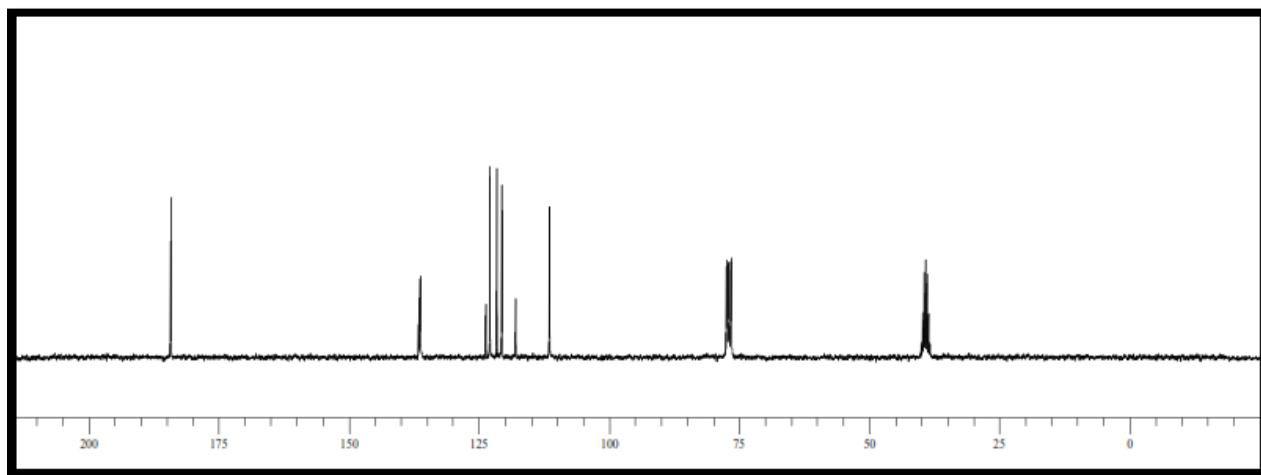
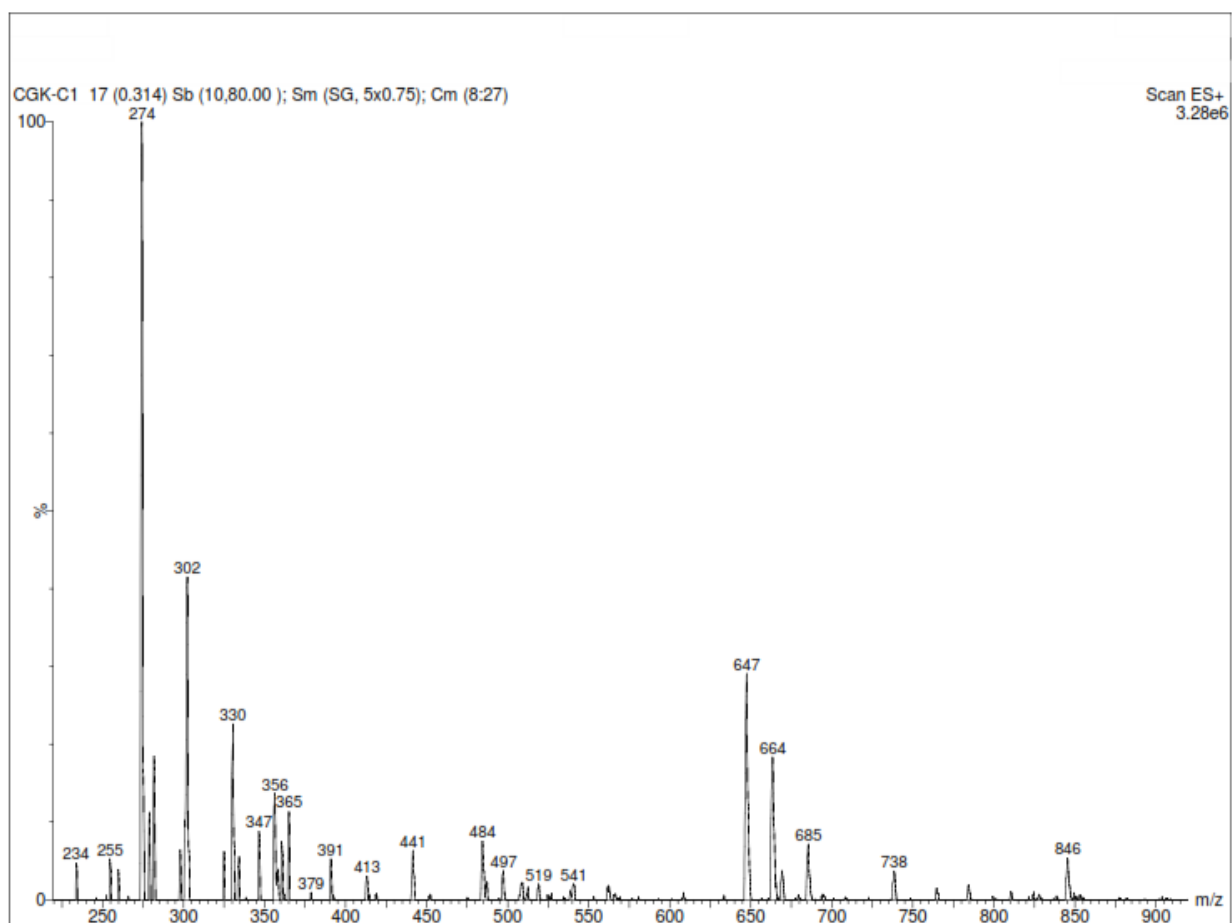
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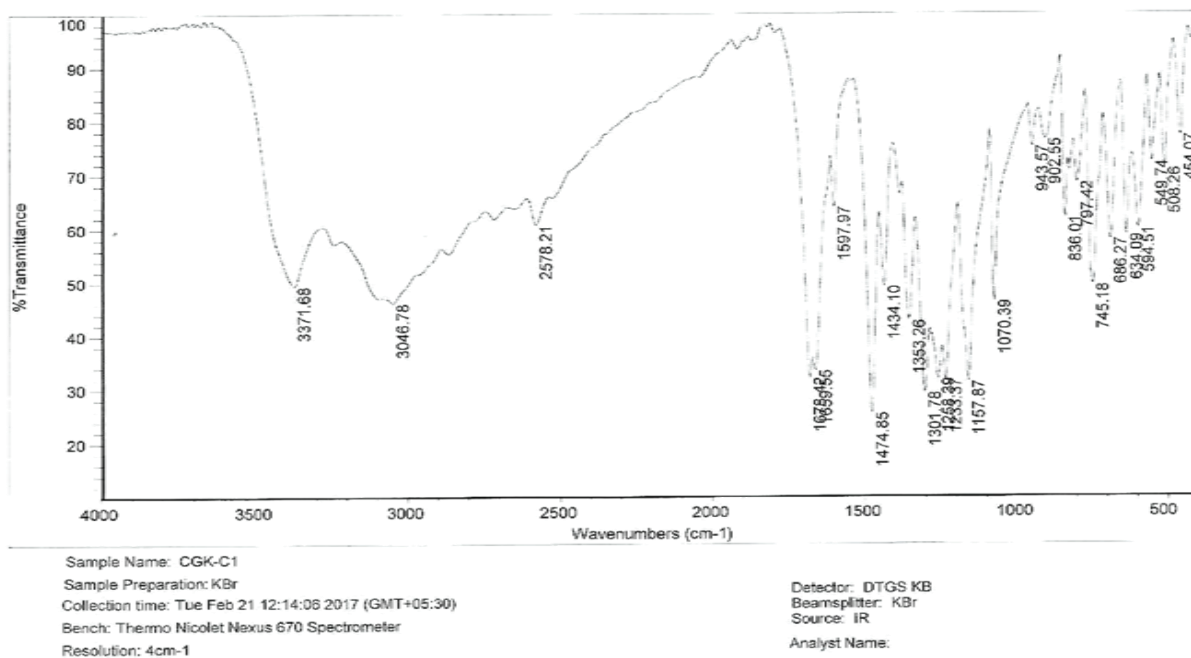
Supplementary Data



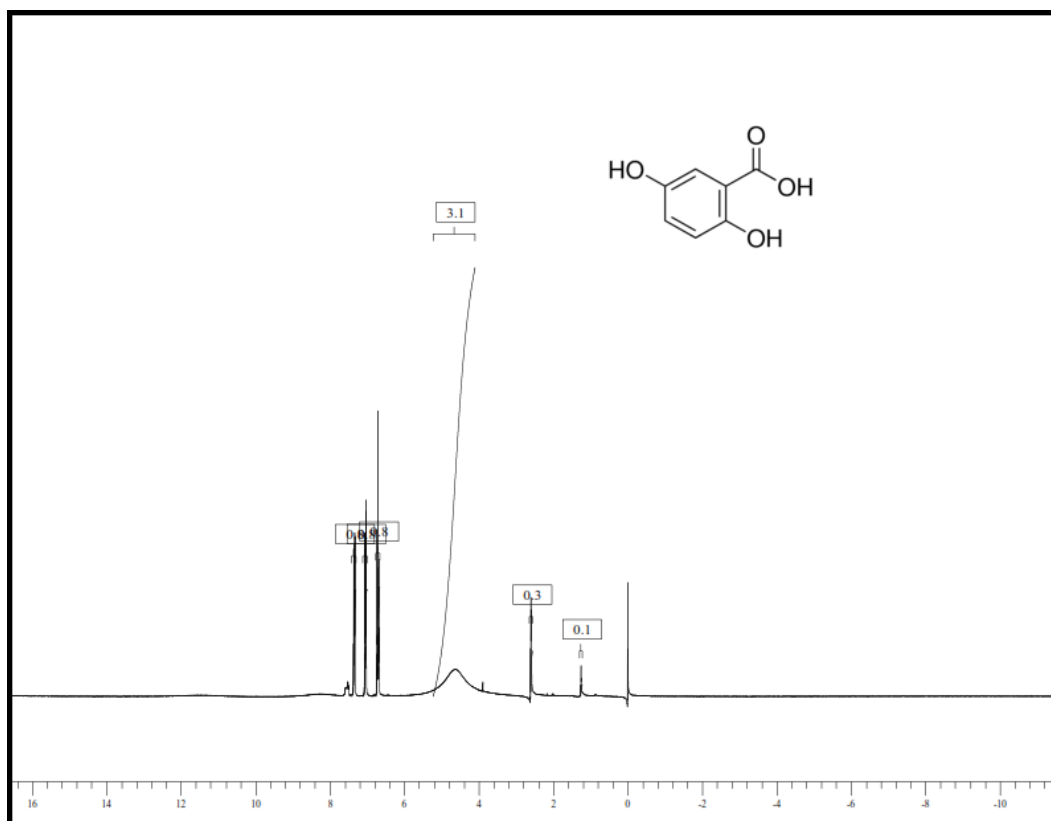
Supplementary Fig. 1. ¹H-NMR spectrum of C1- Indole-3-carboxaldehyde

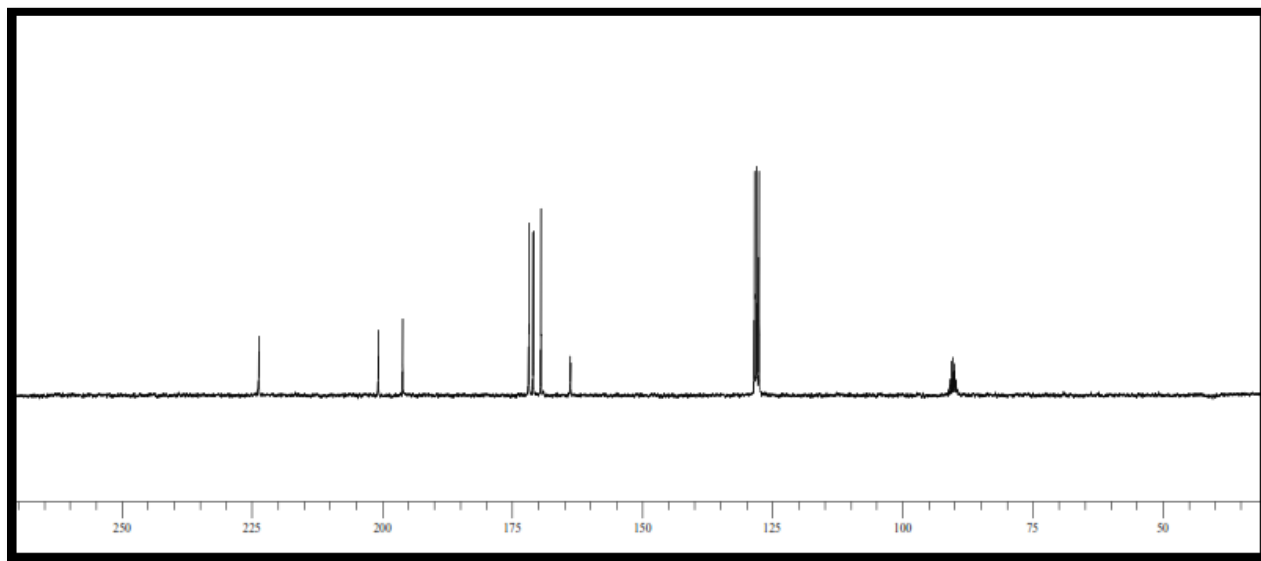
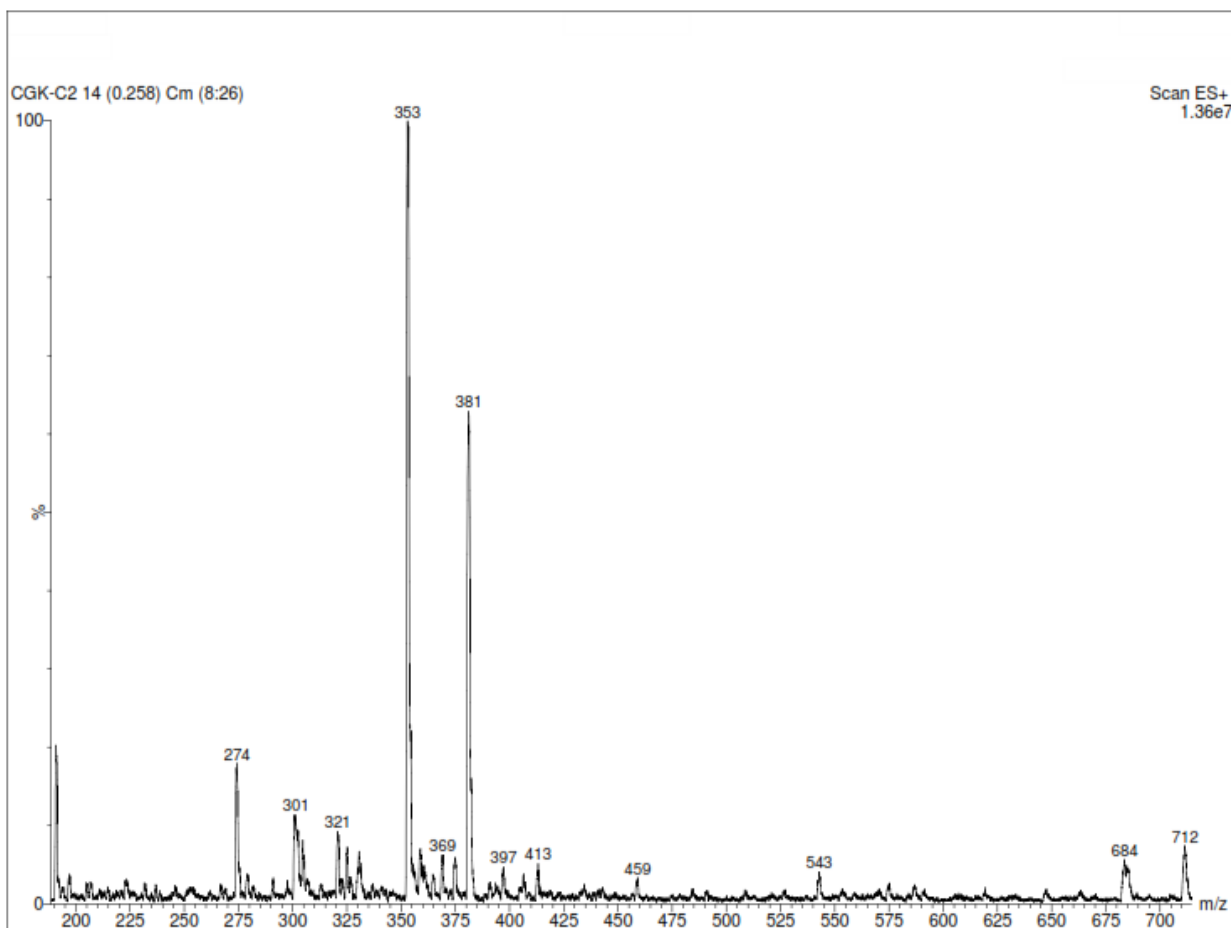
Supplementary Fig. 2. ^{13}C -NMR spectrum of C1- Indole-3-carboxaldehyde

Supplementary Fig. 3. Mass spectrum of C1- Indole-3-carboxaldehyde

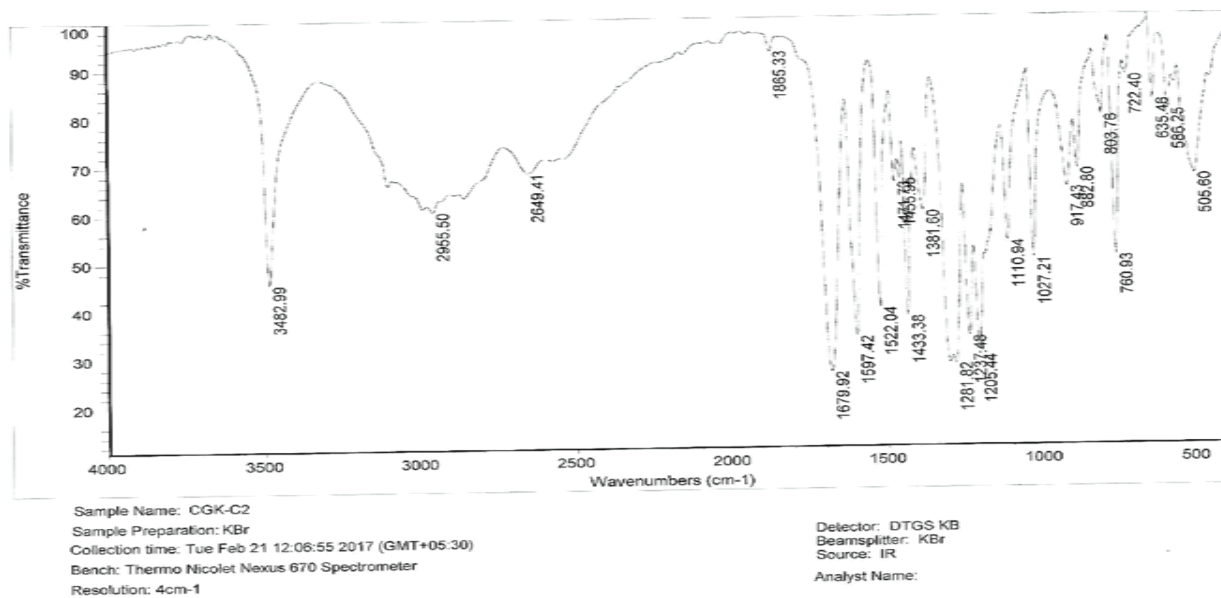


Supplementary Fig. 4. FTIR spectrum of C1- Indole-3-carboxaldehyde

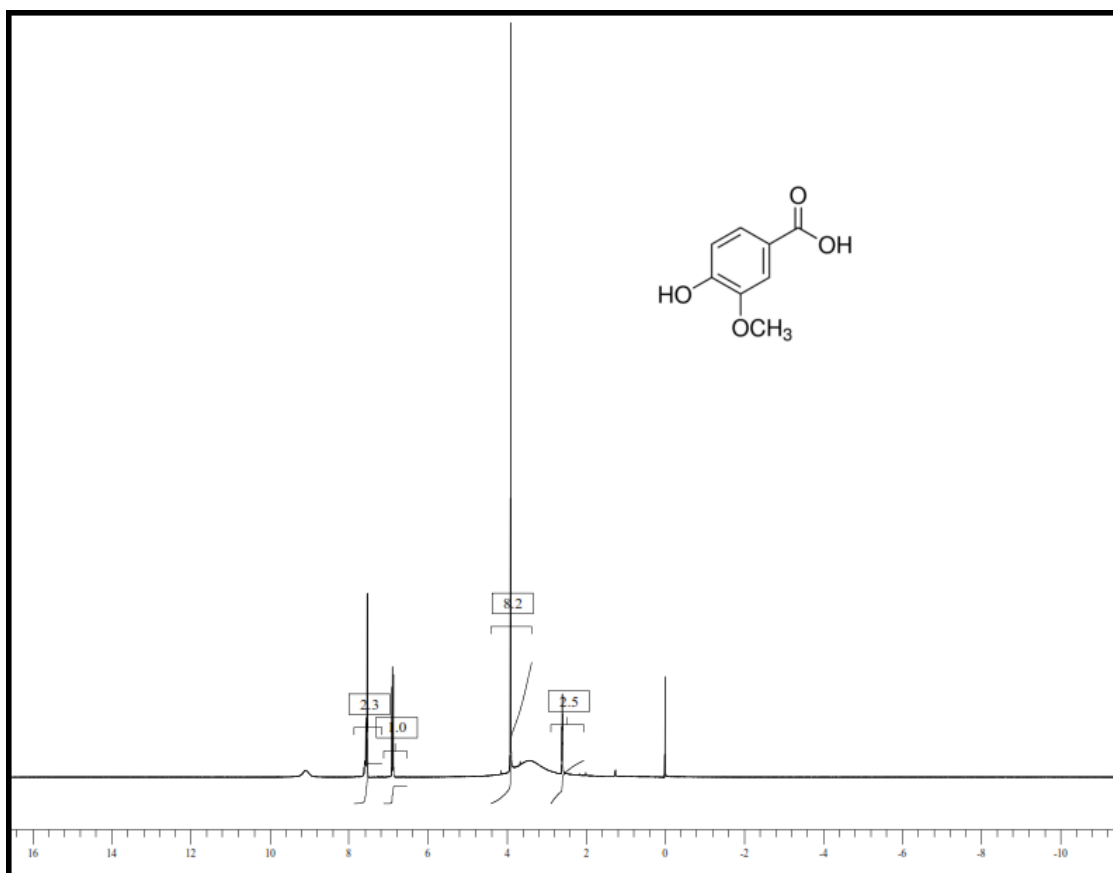
Supplementary Fig. 5. ¹H-NMR spectrum of C2- 2, 3-Dihydroxy benzoic acid

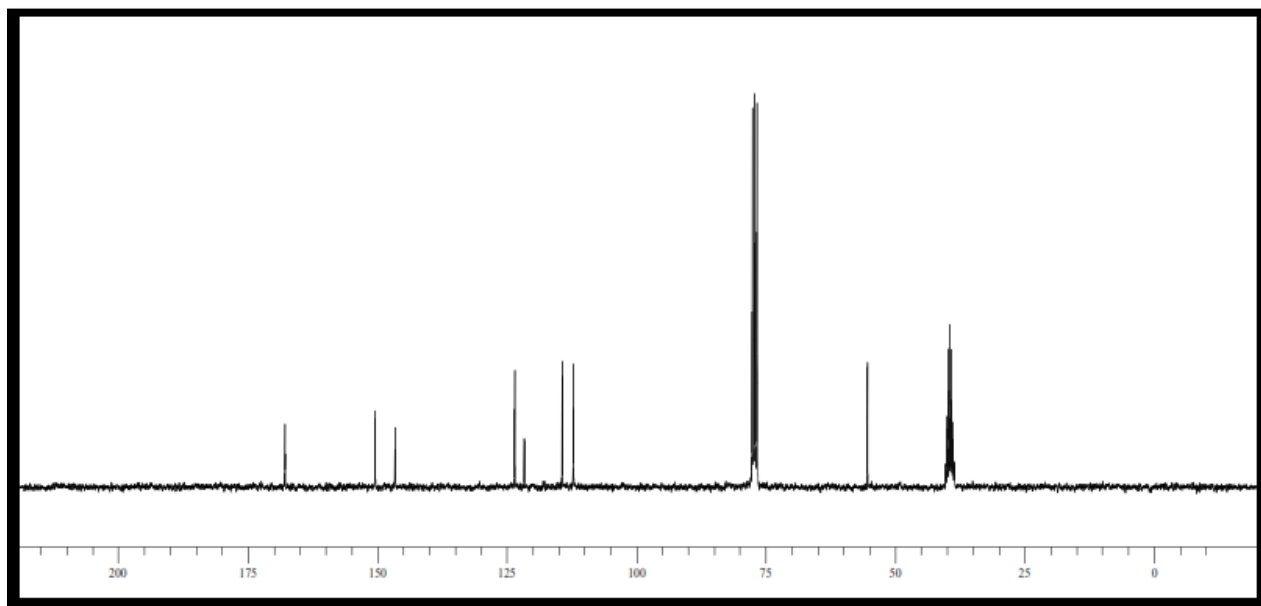
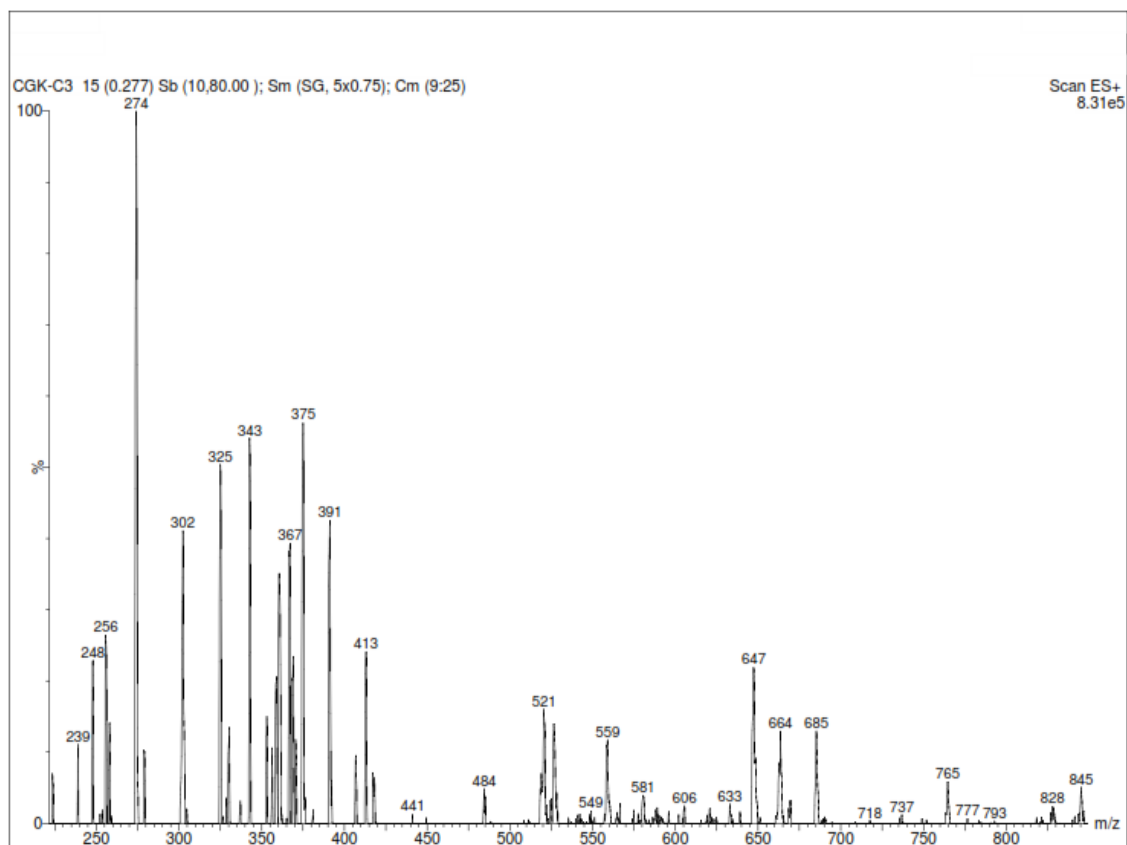
Supplementary Fig. 6. ^{13}C -NMR spectrum of C2- 2, 3-Dihydroxy benzoic acid

Supplementary Fig. 7. Mass spectrum of C2- 2, 3-Dihydroxy benzoic acid

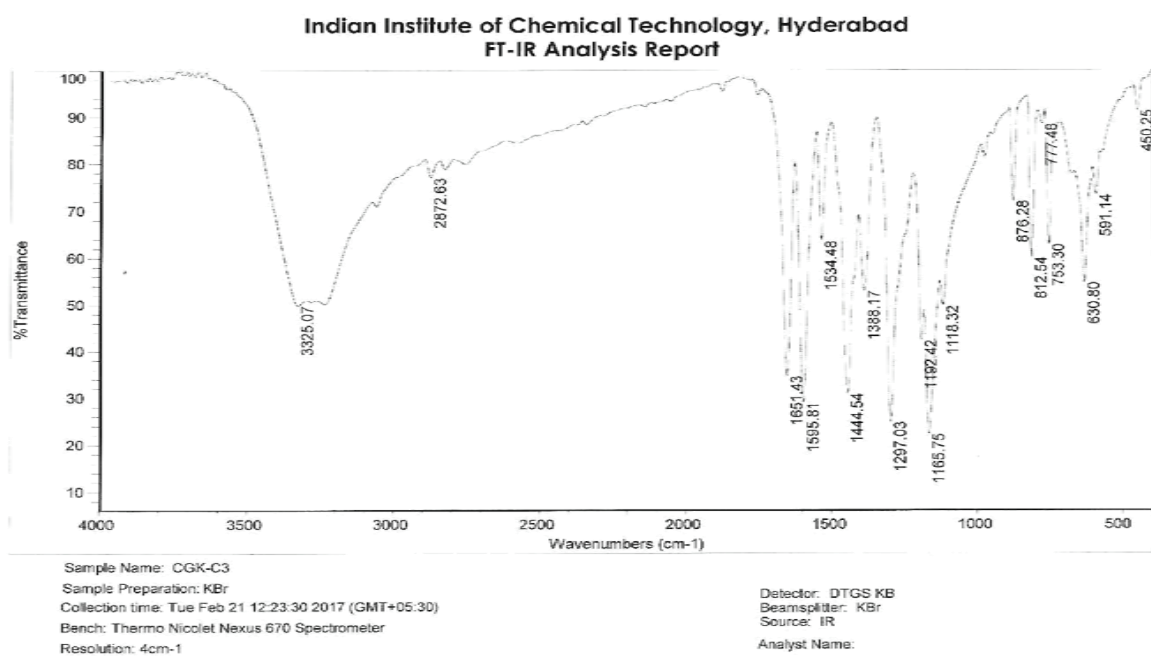


Supplementary Fig. 8. FTIR spectrum of C2- 2, 3-Dihydroxy benzoic acid

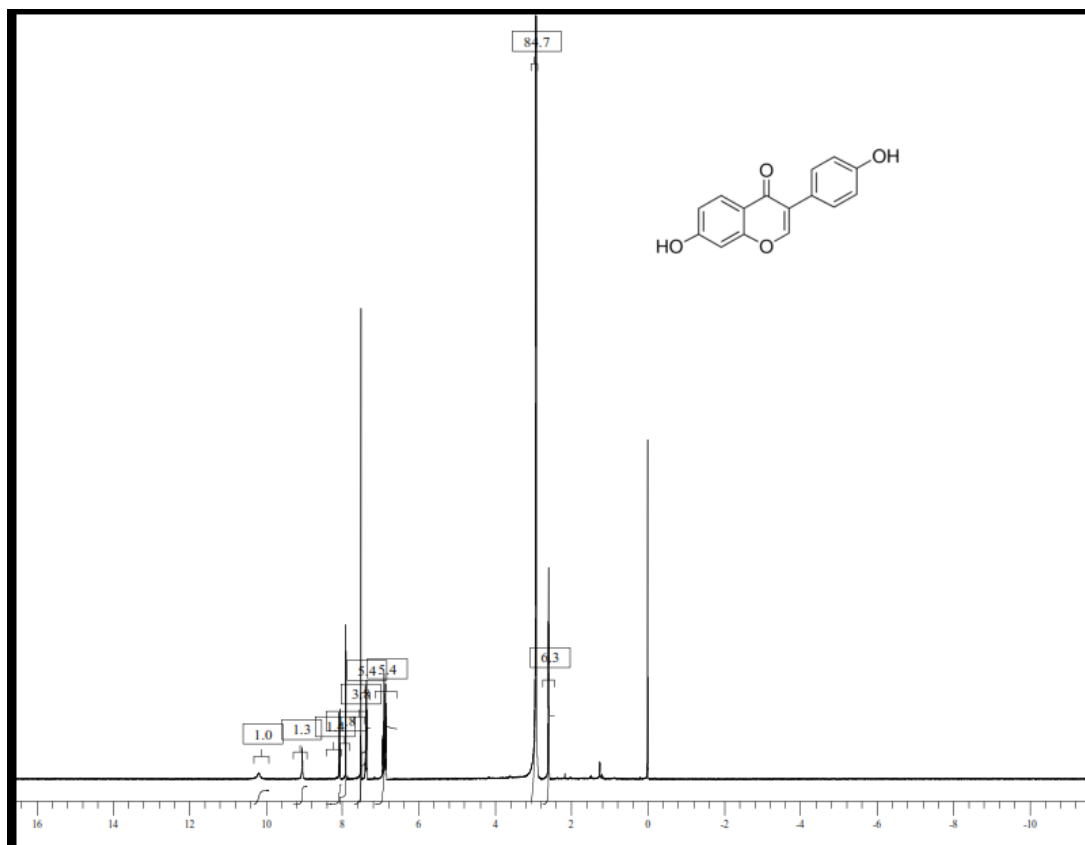
Supplementary Fig. 9. ¹H-NMR spectrum of 4-Hydroxy-3-methoxy benzoic acid (Vanillic acid)

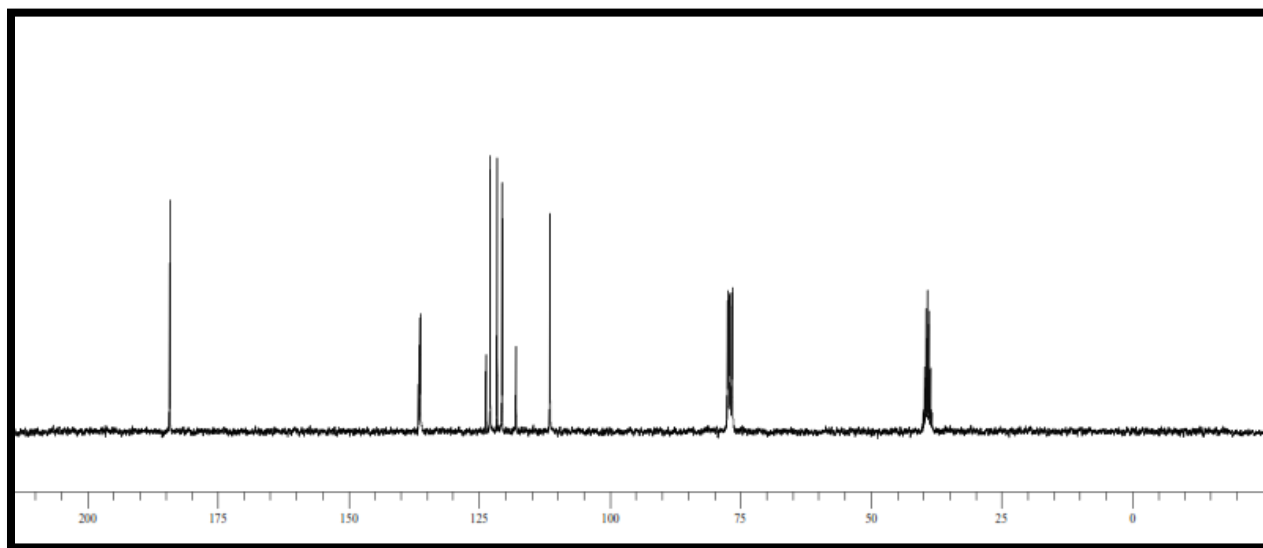
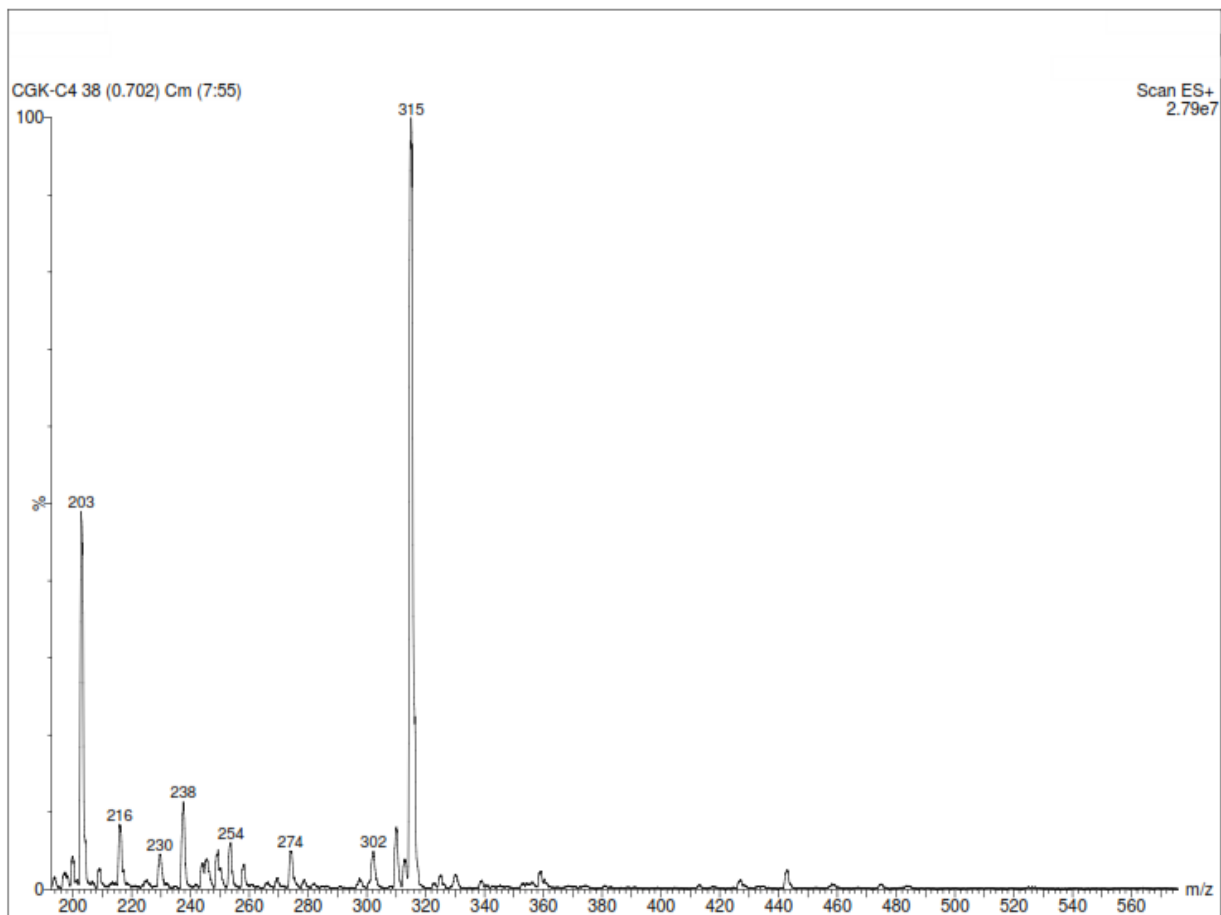
Supplementary Fig. 10. ^{13}C -NMR spectrum of C3- 4-Hydroxy-3-methoxy benzoic acid (Vanillic acid)

Supplementary Fig. 11. Mass spectrum of C3- 4-Hydroxy-3-methoxy benzoic acid (Vanillic acid)

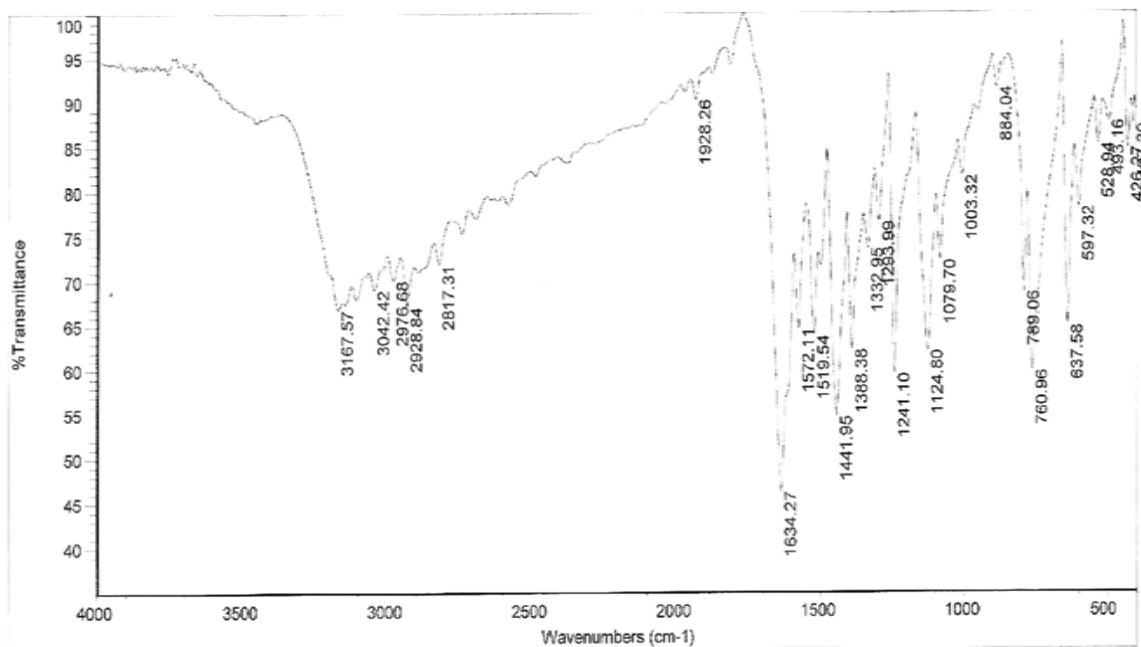


Supplementary Fig. 12. FTIR spectrum of C3- 4-Hydroxy-3-methoxy benzoic acid (Vanillic acid)

Supplementary Fig. 13. ¹H-NMR spectrum of C4- Daidzien

Supplementary Fig. 14. ^{13}C -NMR spectrum of C4- Daidzien

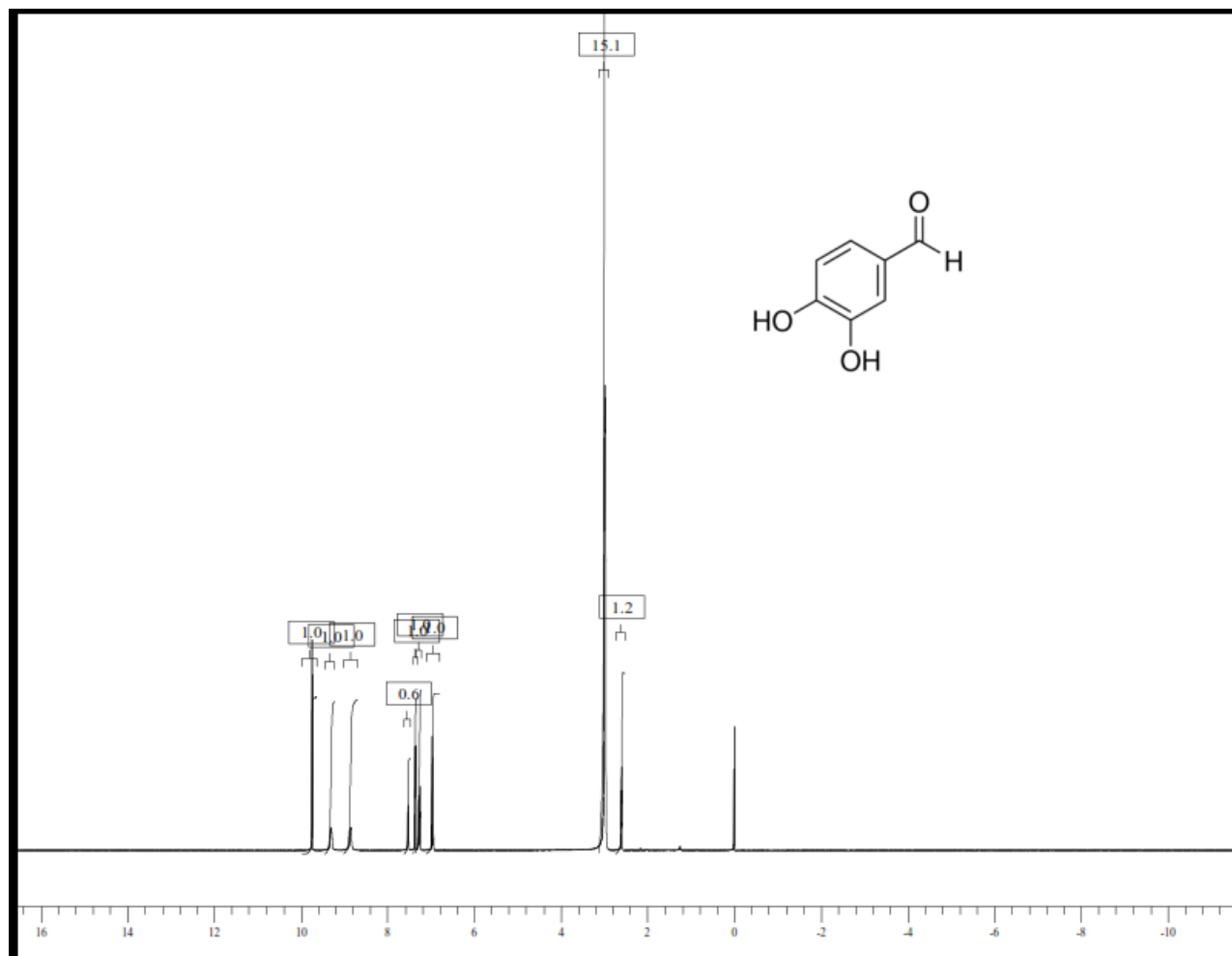
Supplementary Fig. 15. Mass spectrum of C4- Daidzien

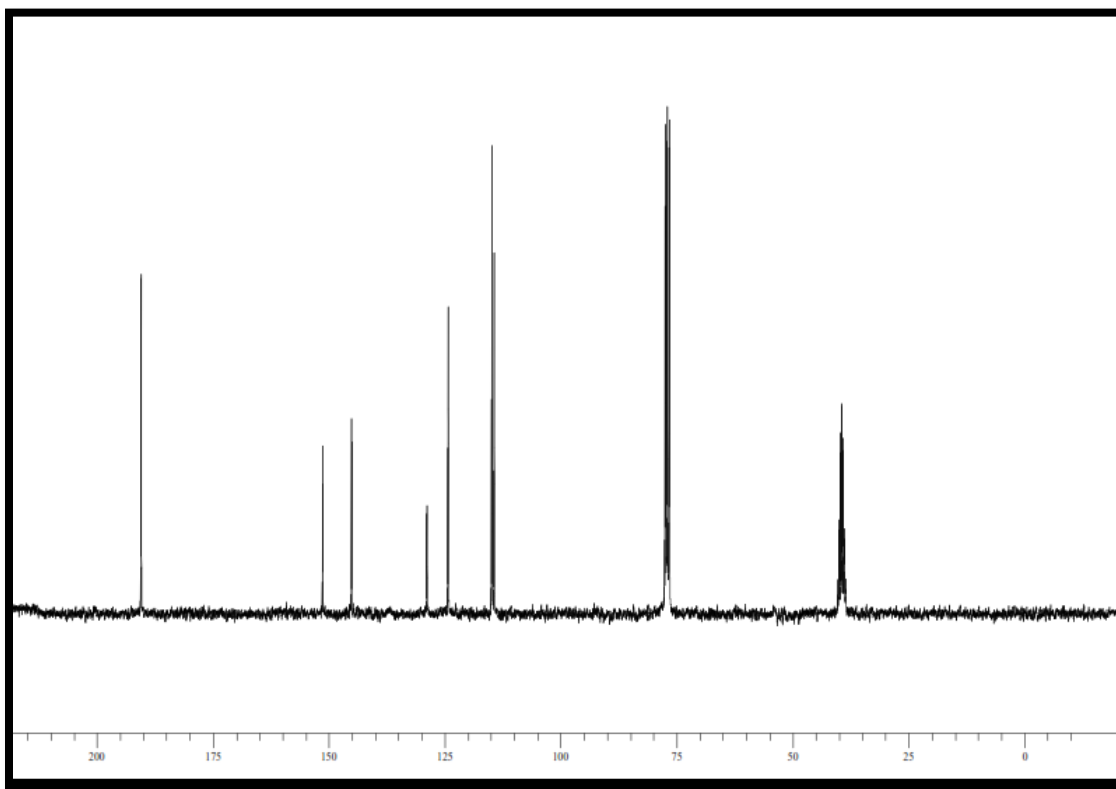
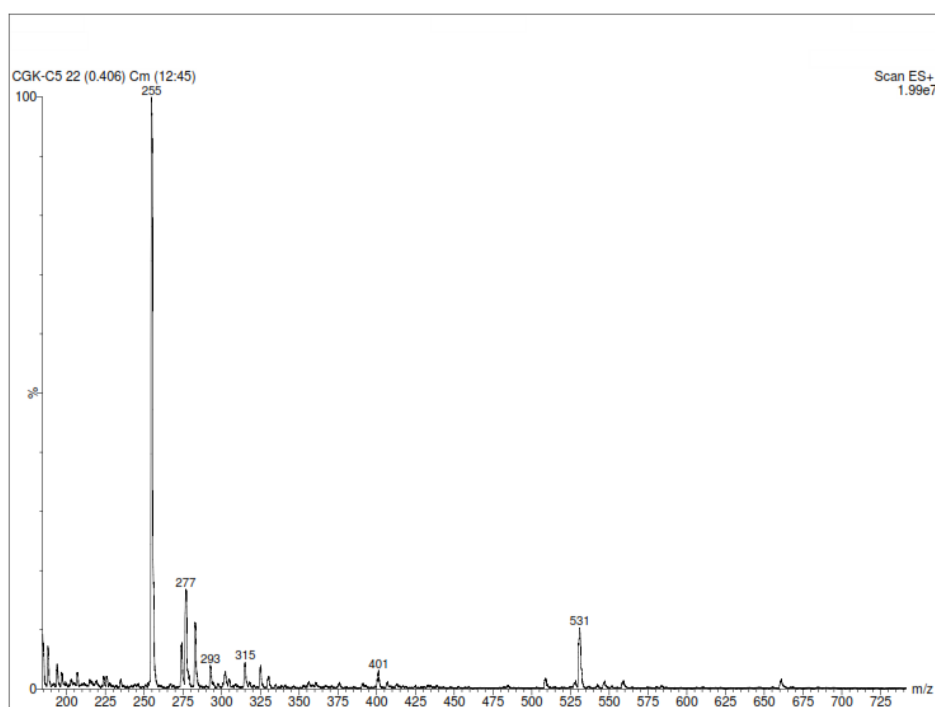


Sample Name: CGK-C4
Sample Preparation: KBr
Collection time: Tue Feb 21 16:00:18 2017 (GMT+05:30)
Bench: Thermo Nicolet Nexus 670 Spectrometer
Resolution: 4cm-1

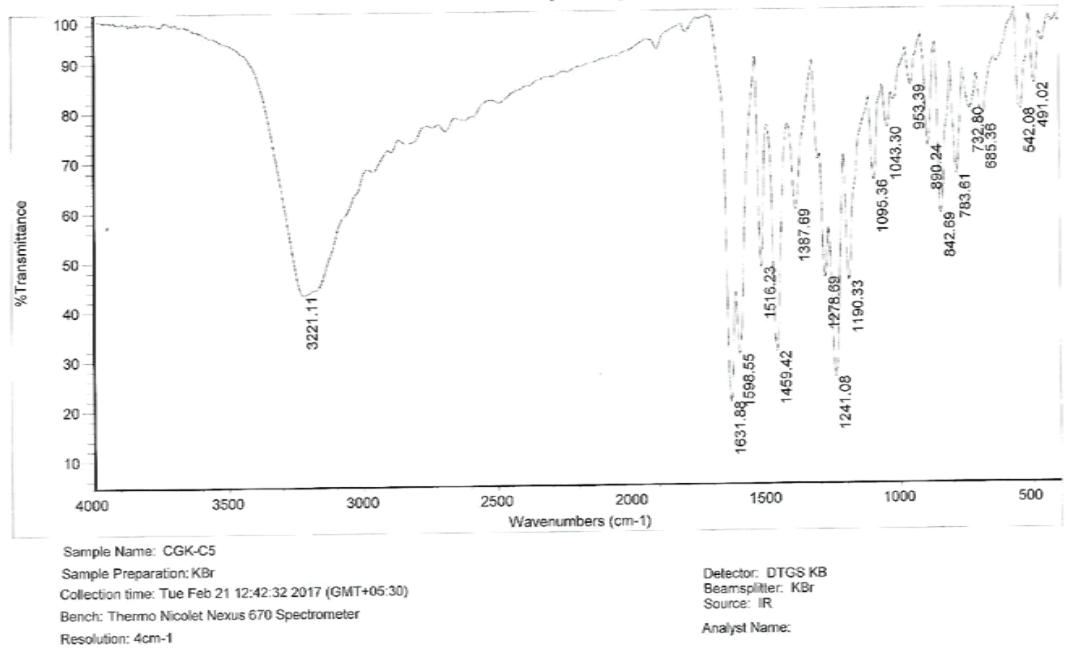
Detector: DTGS KB
Beamsplitter: KBr
Source: IR
Analyst Name:

Supplementary Fig. 16. FTIR spectrum of C4- Daidzien

Supplementary Fig. 17. ¹H-NMR spectrum of C5- 3,4-dihydroxy benzaldehyde

Supplementary Fig. 18. ^{13}C -NMR spectrum of C5- 3,4-dihydroxy benzaldehyde

Supplementary Fig. 19. Mass spectrum of (C5- 3,4-dihydroxy benzaldehyde



Supplementary Fig. 20. FTIR spectrum of C5- 3,4-dihydroxy benzaldehyde