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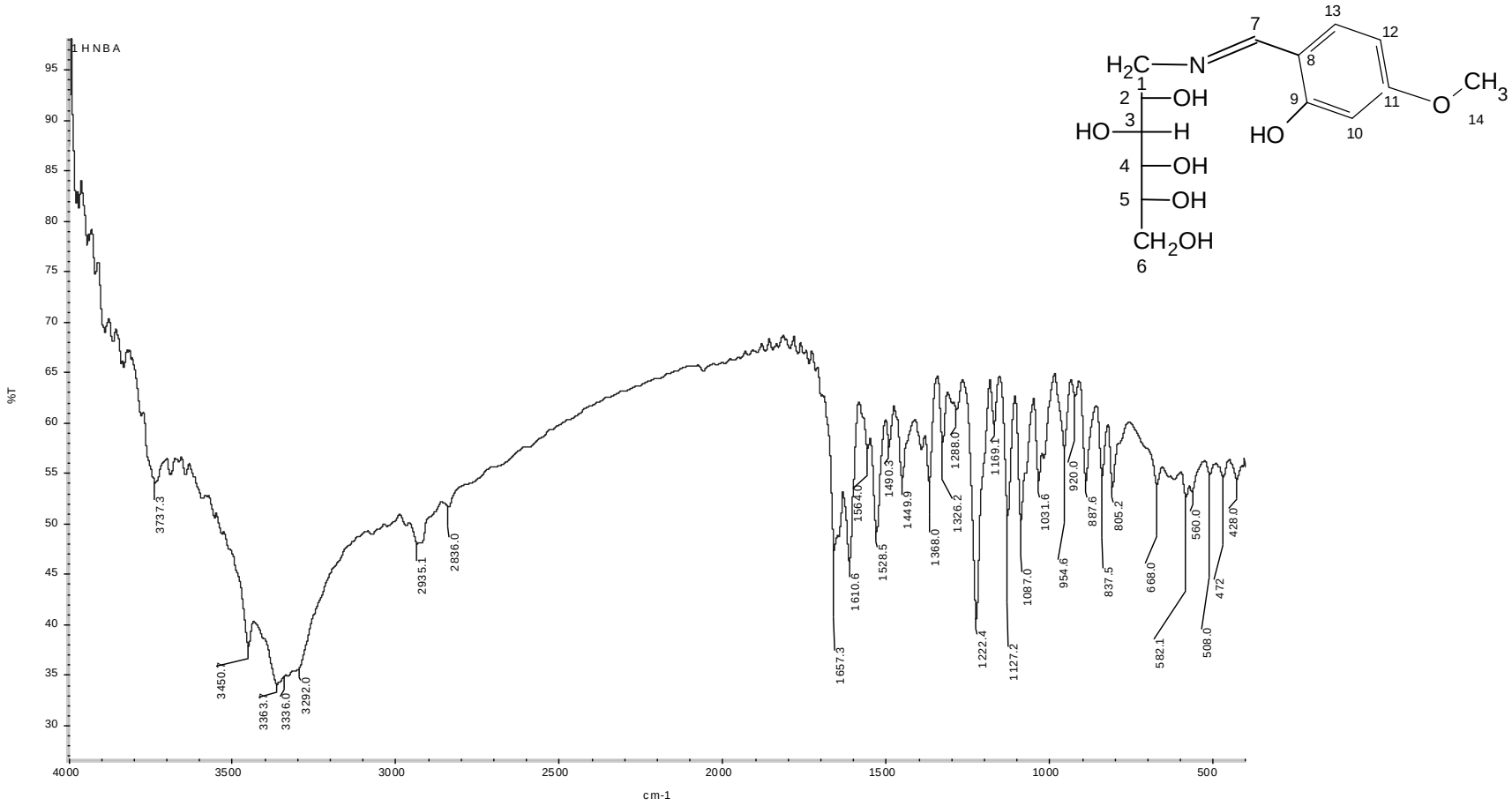
IR spectrum of 1-Deoxy-1-(2-hydroxy-4-methoxybenzylidene)amino-D-glucitol



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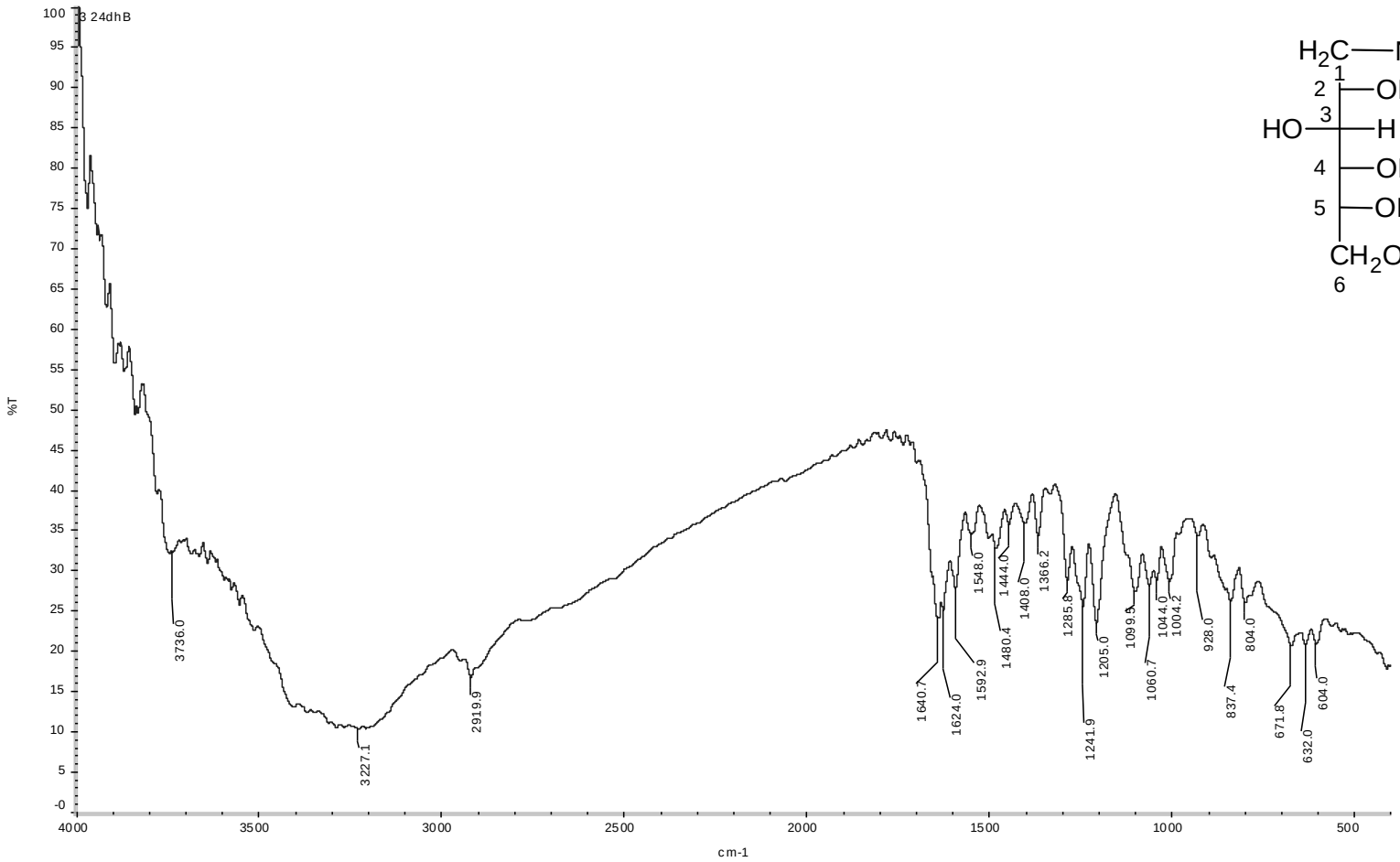

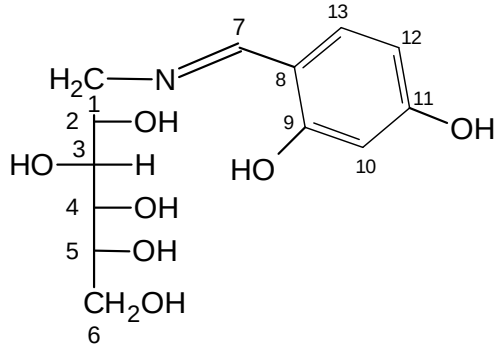

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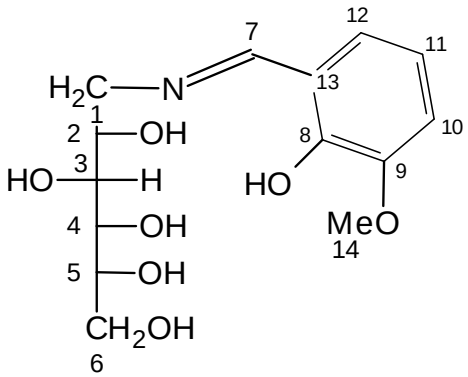

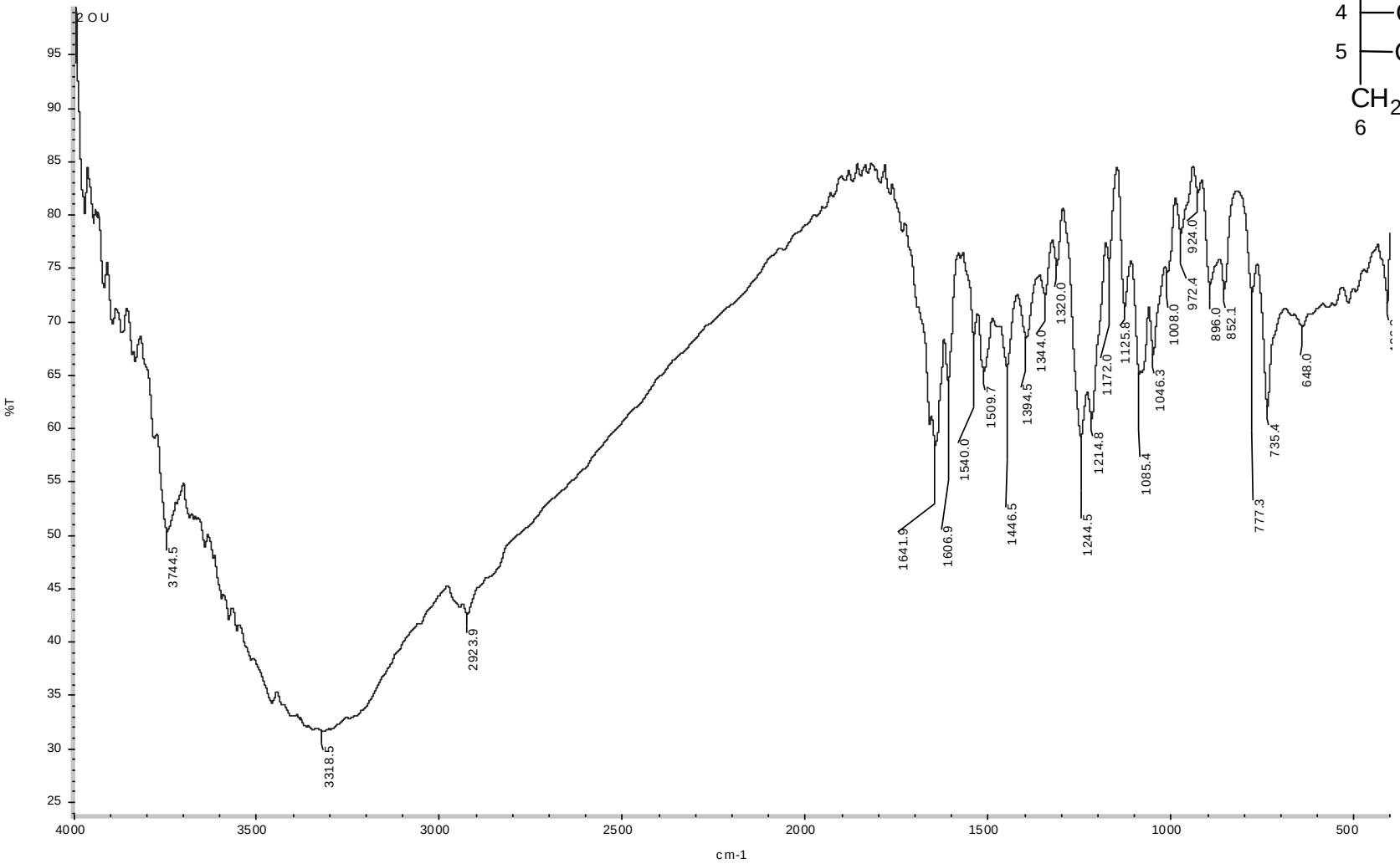

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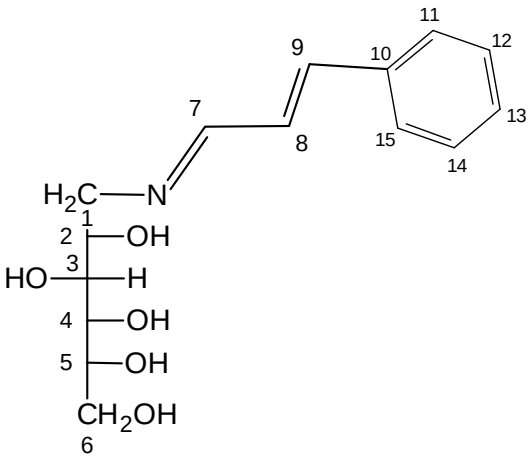

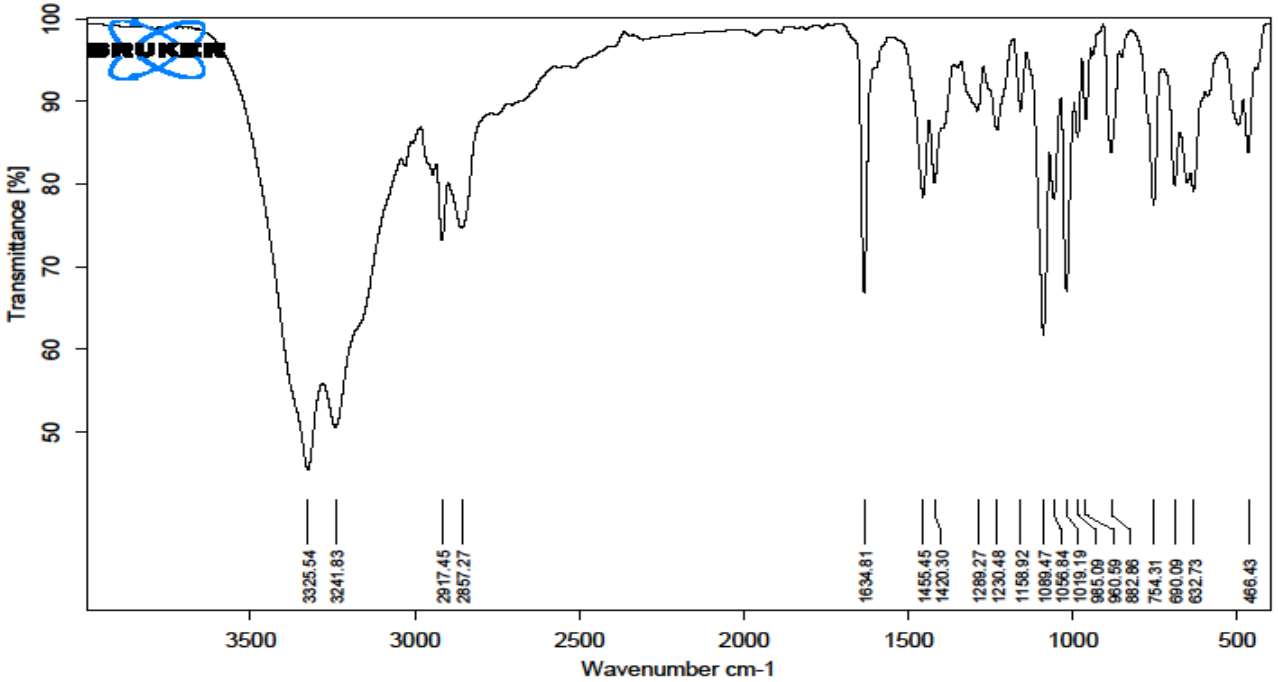

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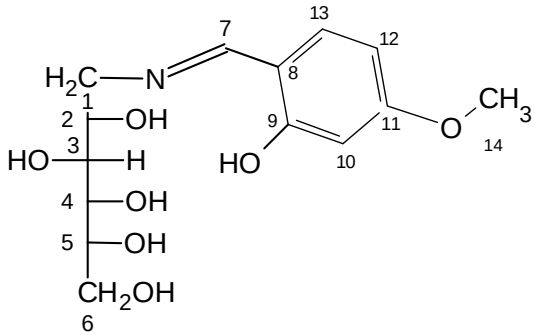
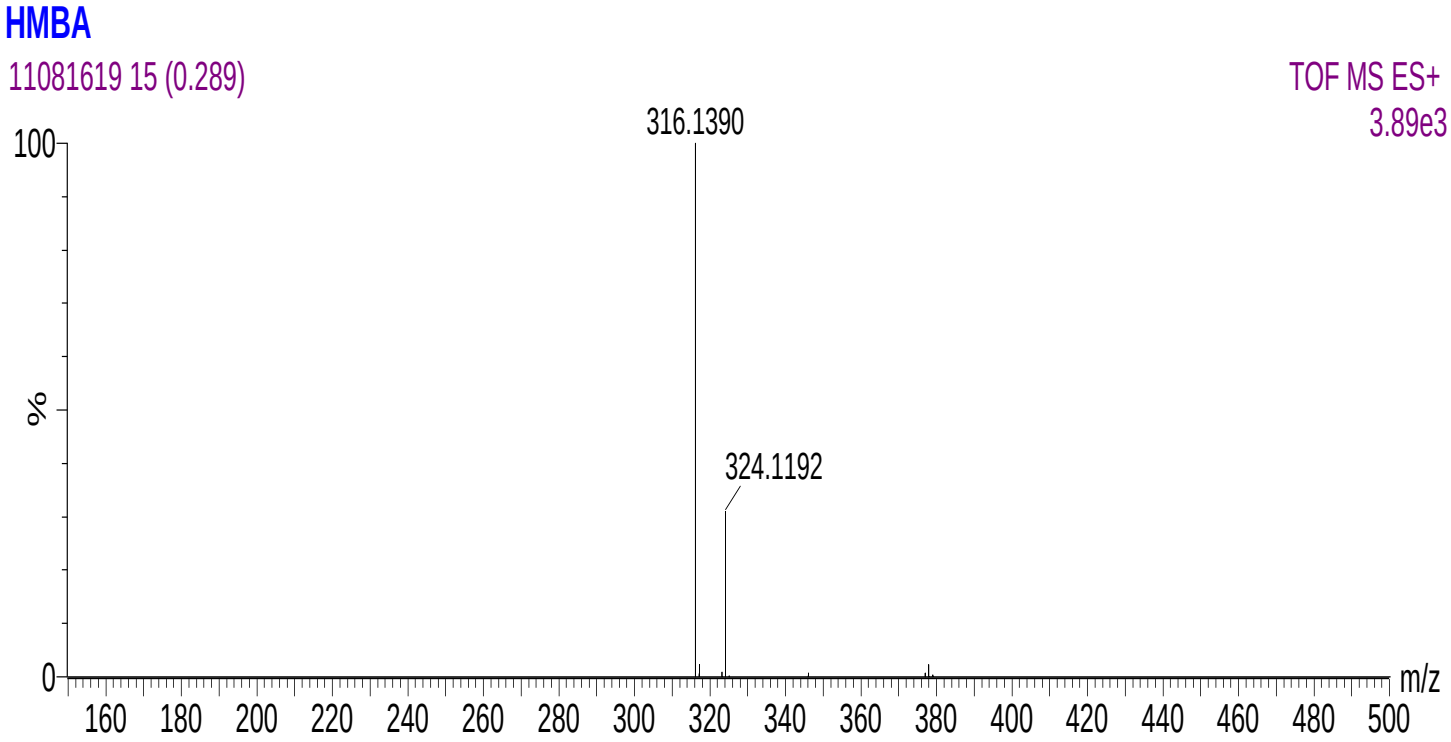
Mass spectrum of 1-Deoxy-1-(2-hydroxy-4-methoxybenzylidene)amino-D-glucitol





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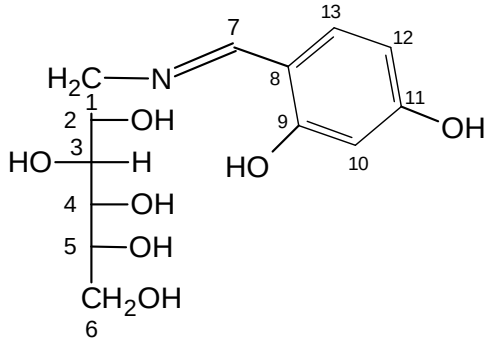

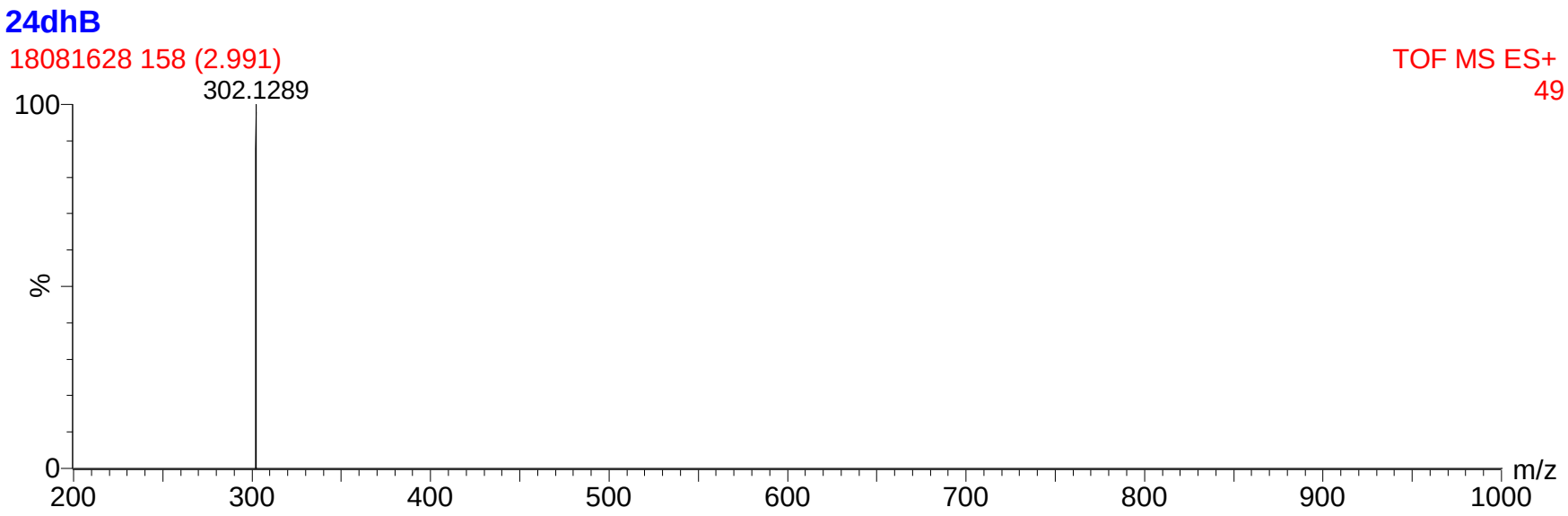

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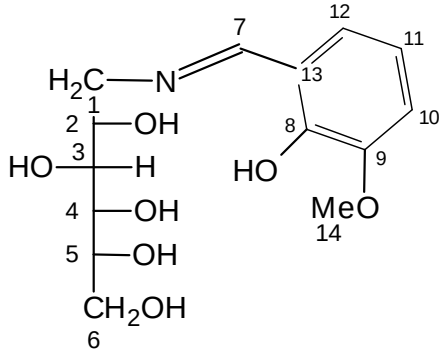
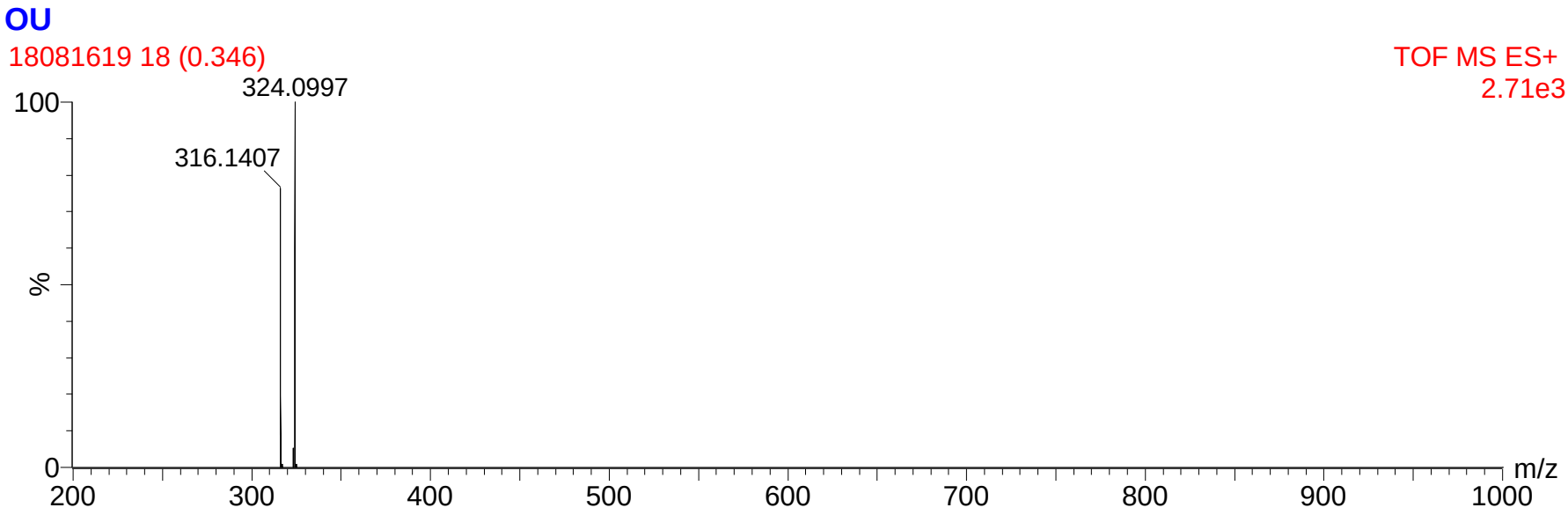
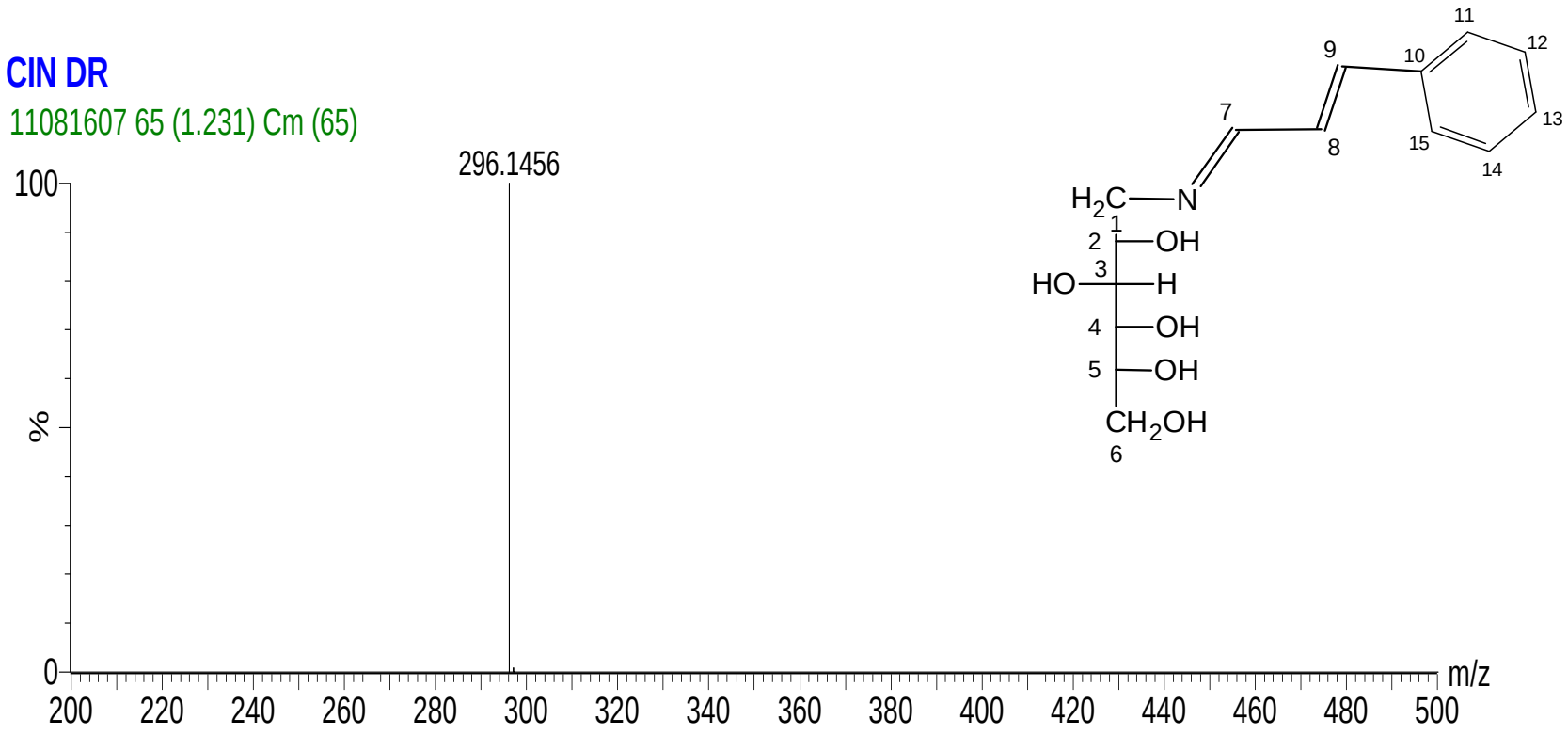




Mass spectrum of 1-Cinnamylidenamino-1-deoxy-D-glucitol



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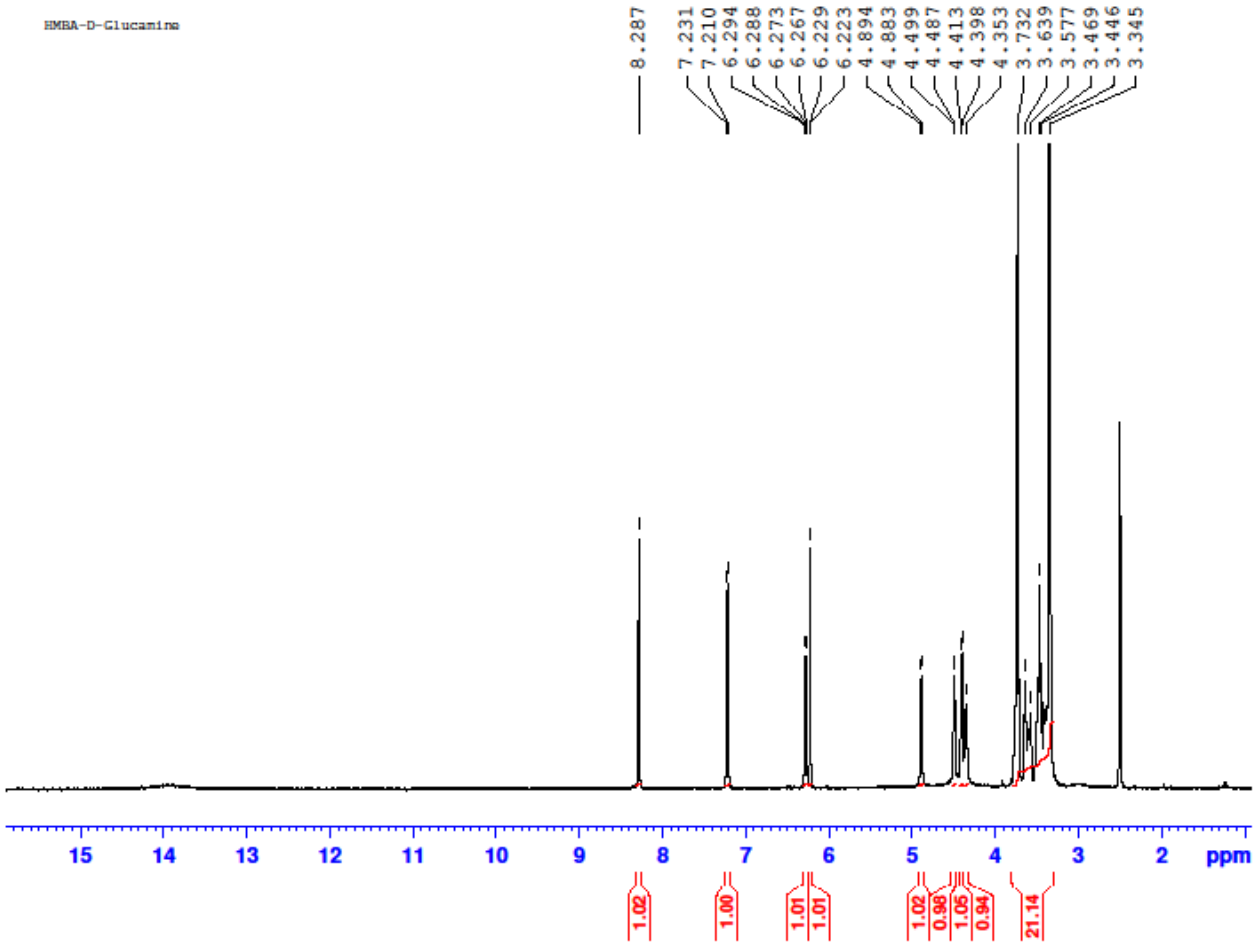

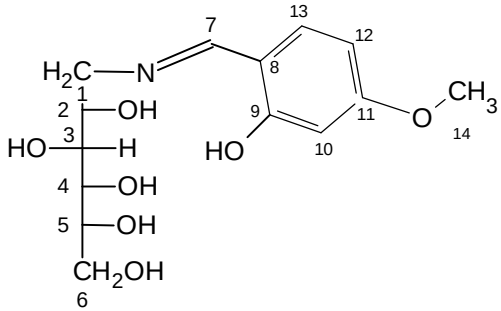

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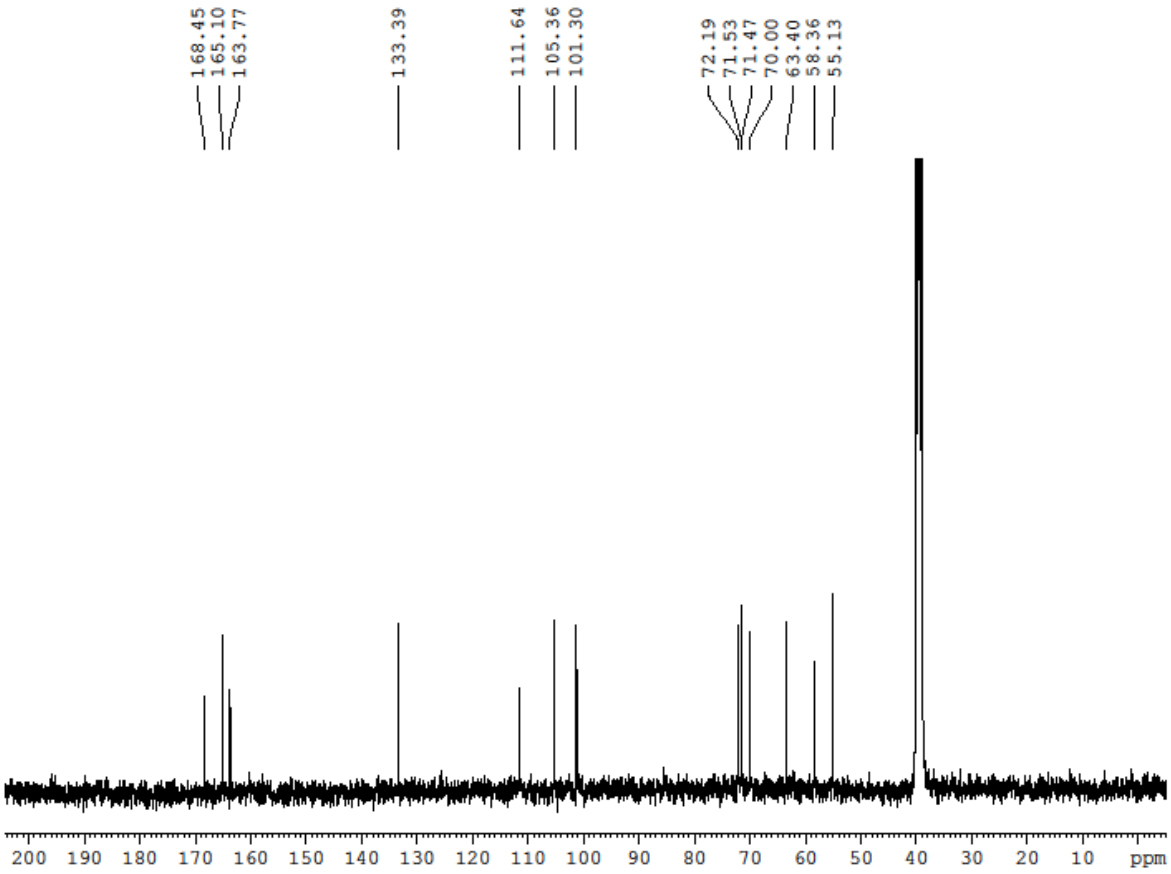

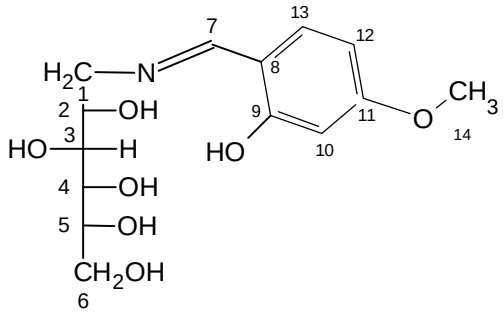

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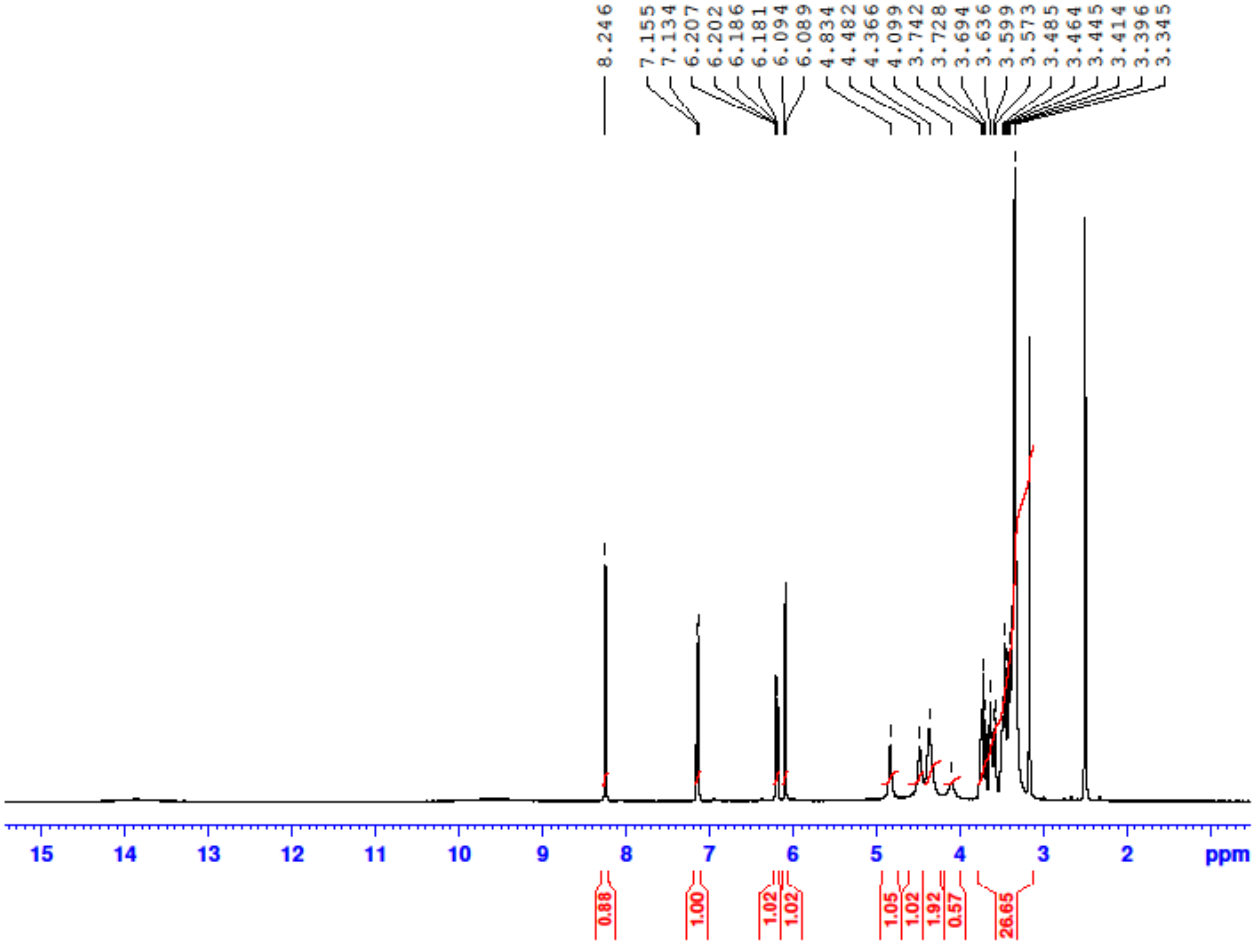
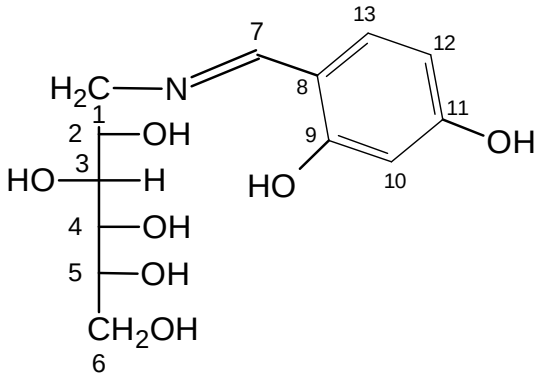
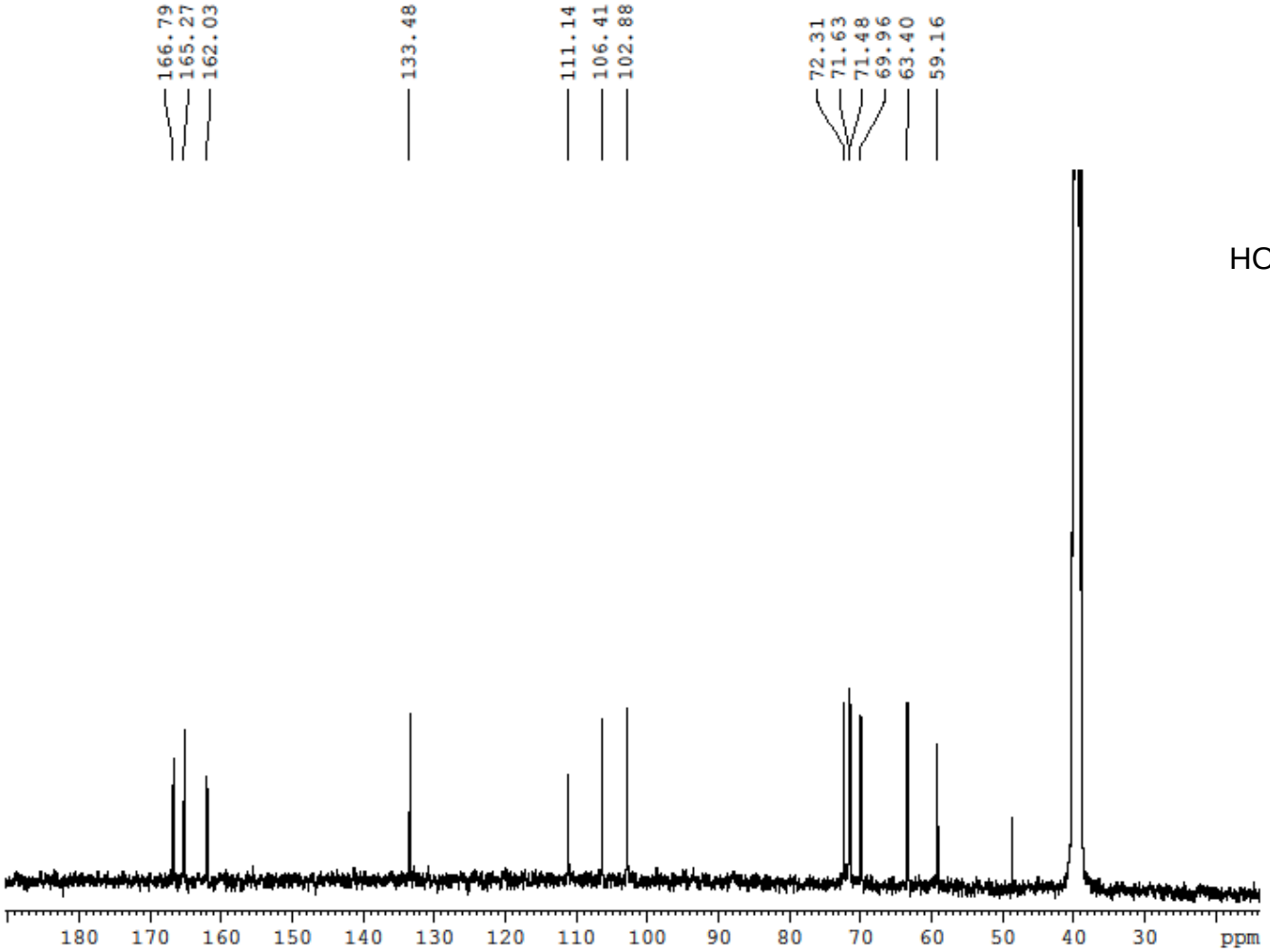
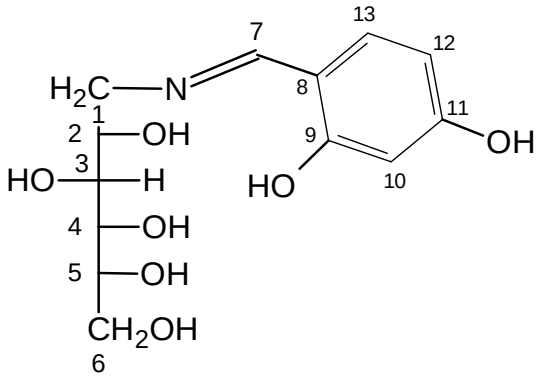




^{13}C NMR spectrum of 1-Deoxy-1-(2,4-dihydroxybenzylidene)amino-D-glucitol





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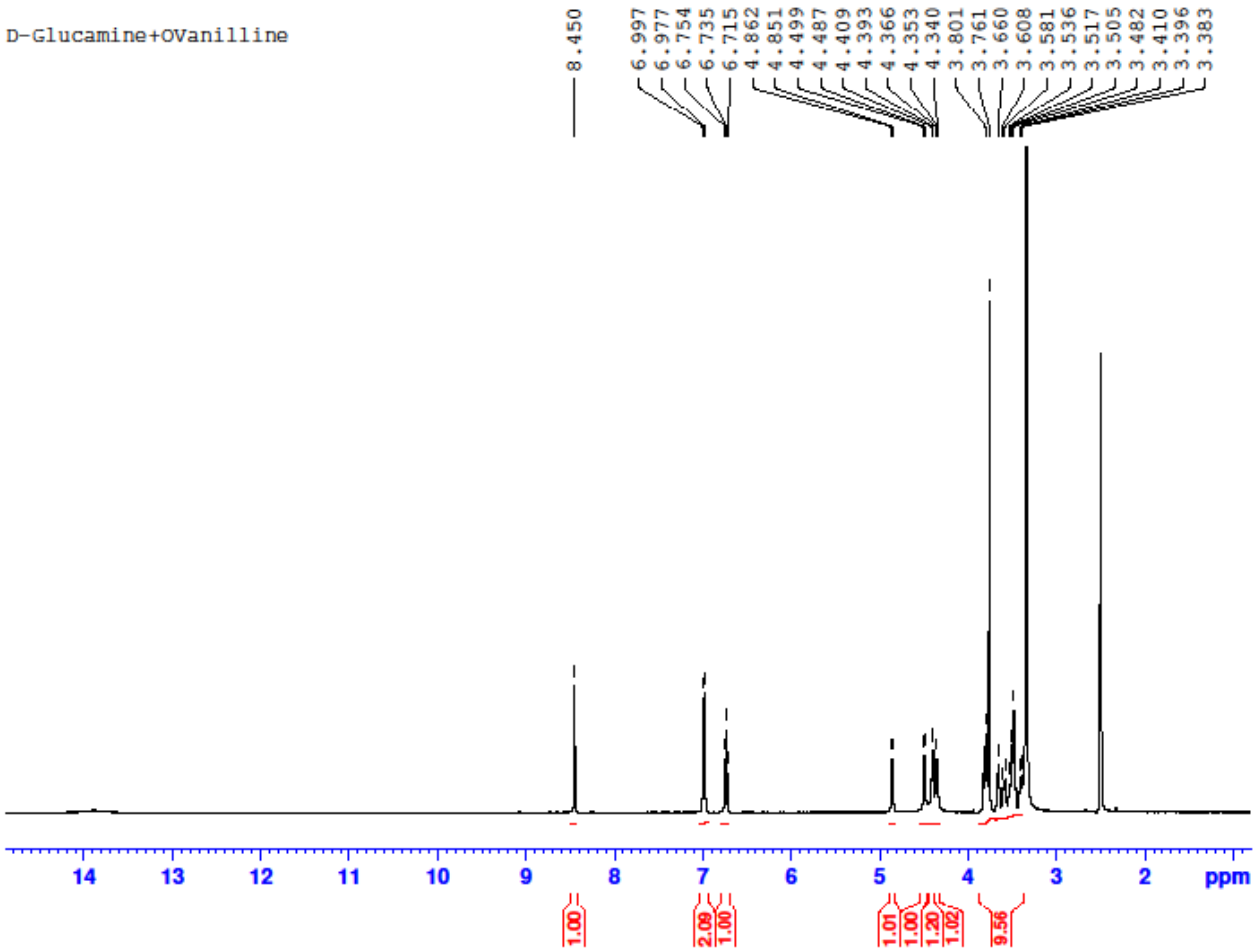

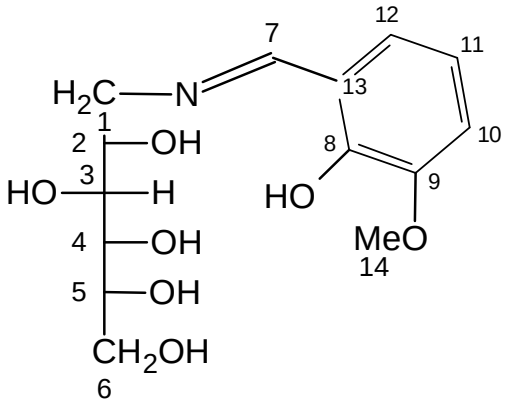

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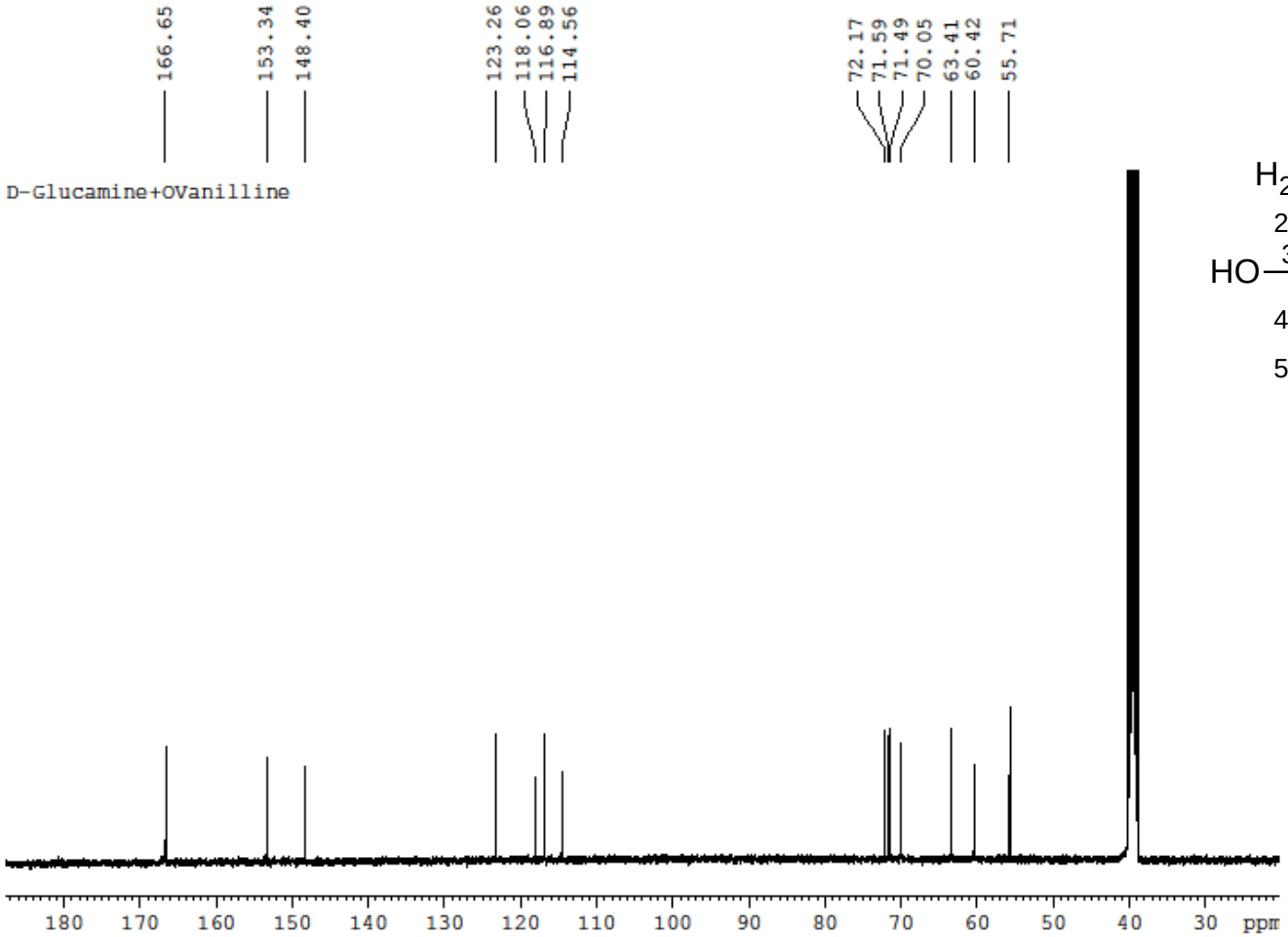
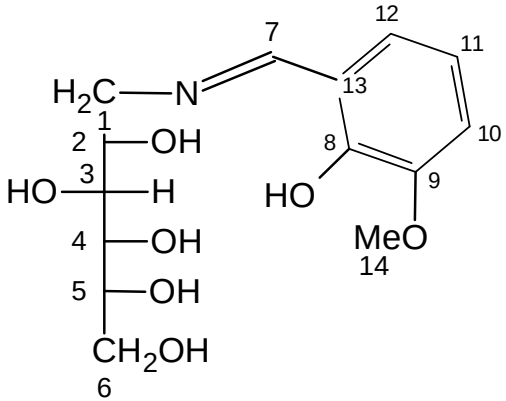
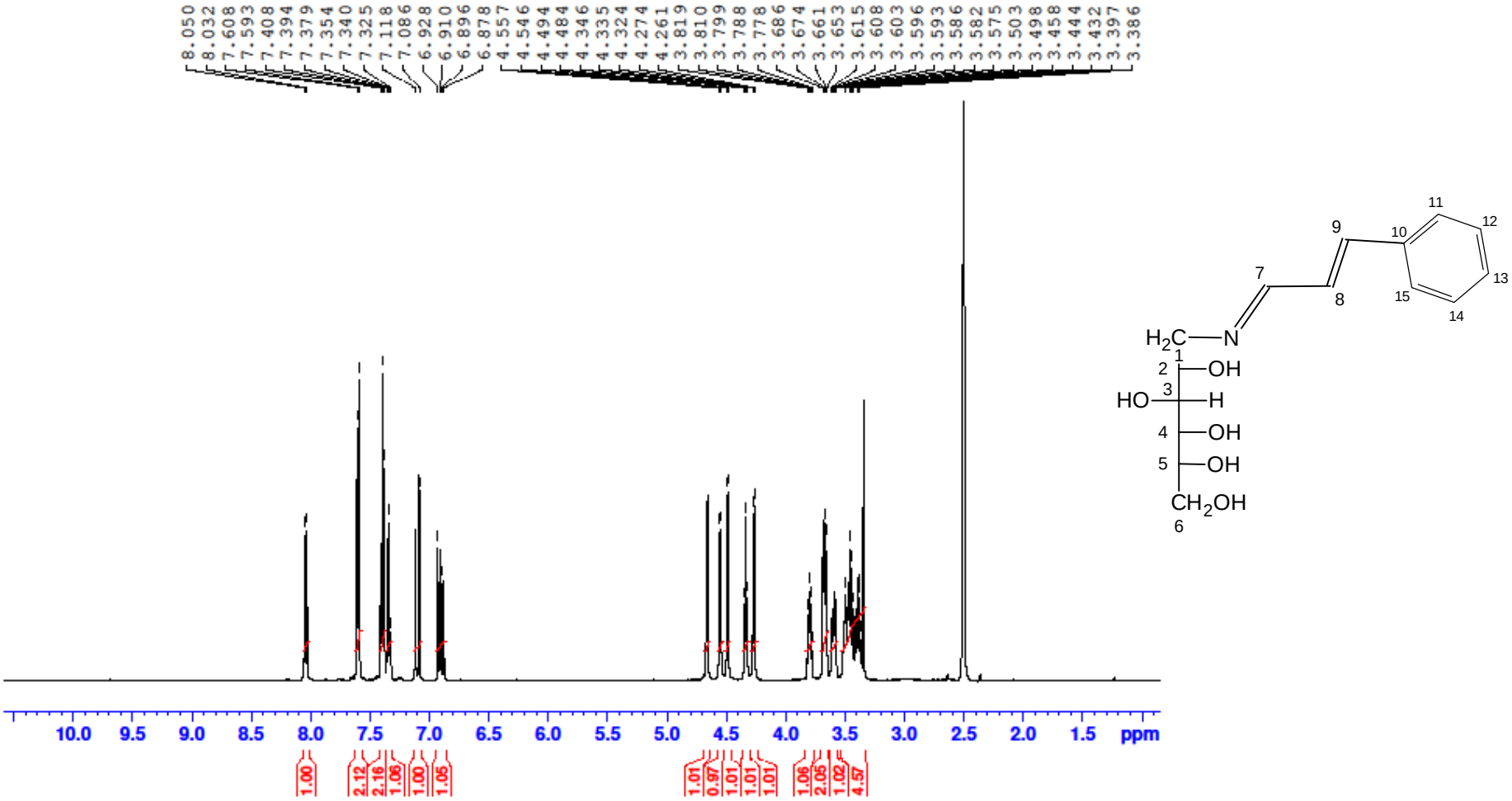
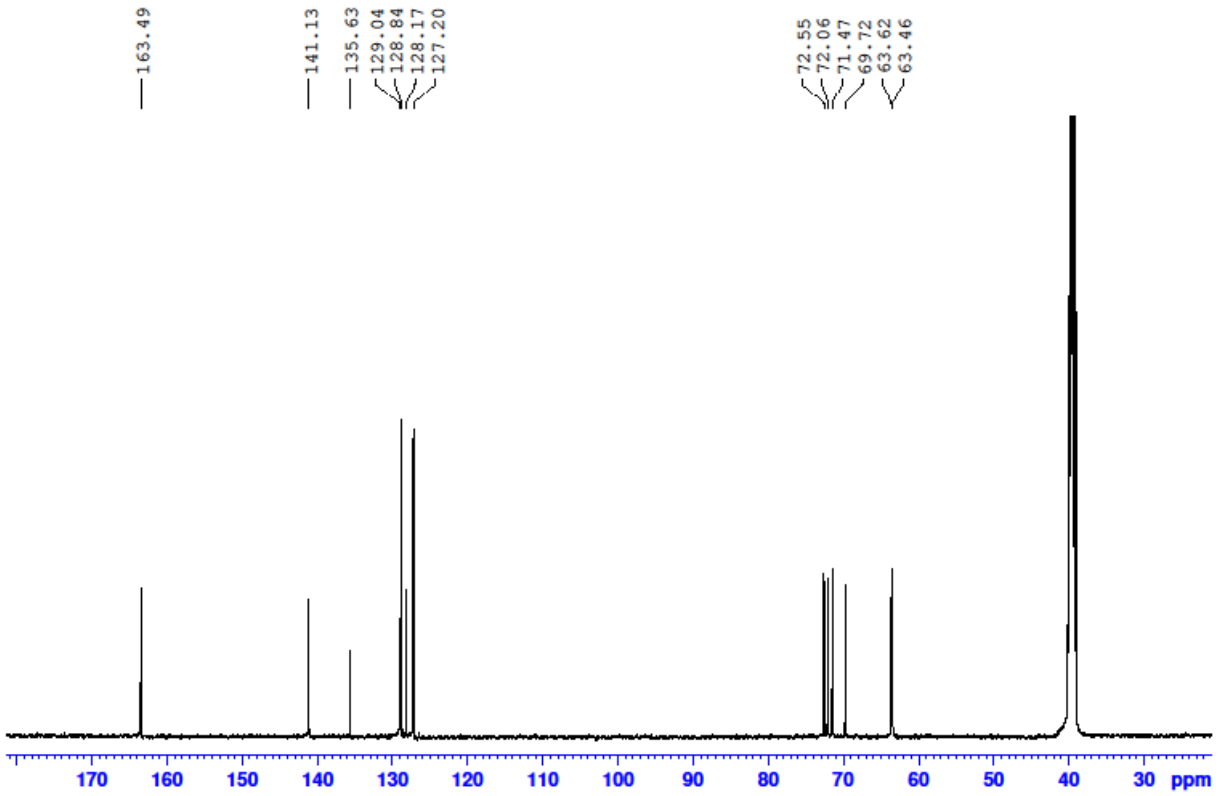


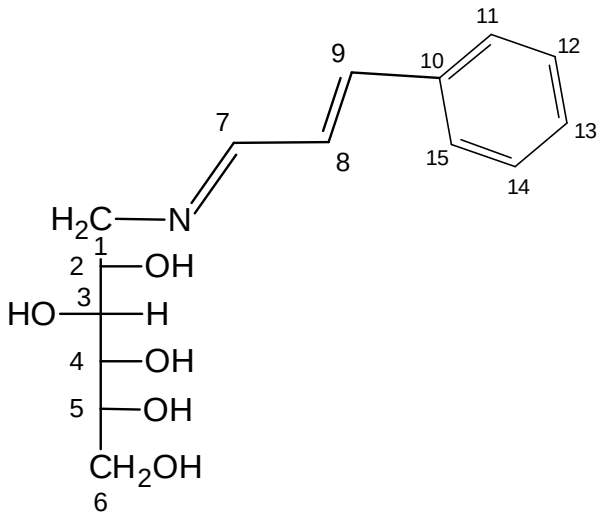


^{1}H NMR spectrum of 1-Cinnamylidenamino-1-deoxy-D-glucitol



^{13}C NMR spectrum of 1-Cinnamylidenamino-1-deoxy-D-glucitol





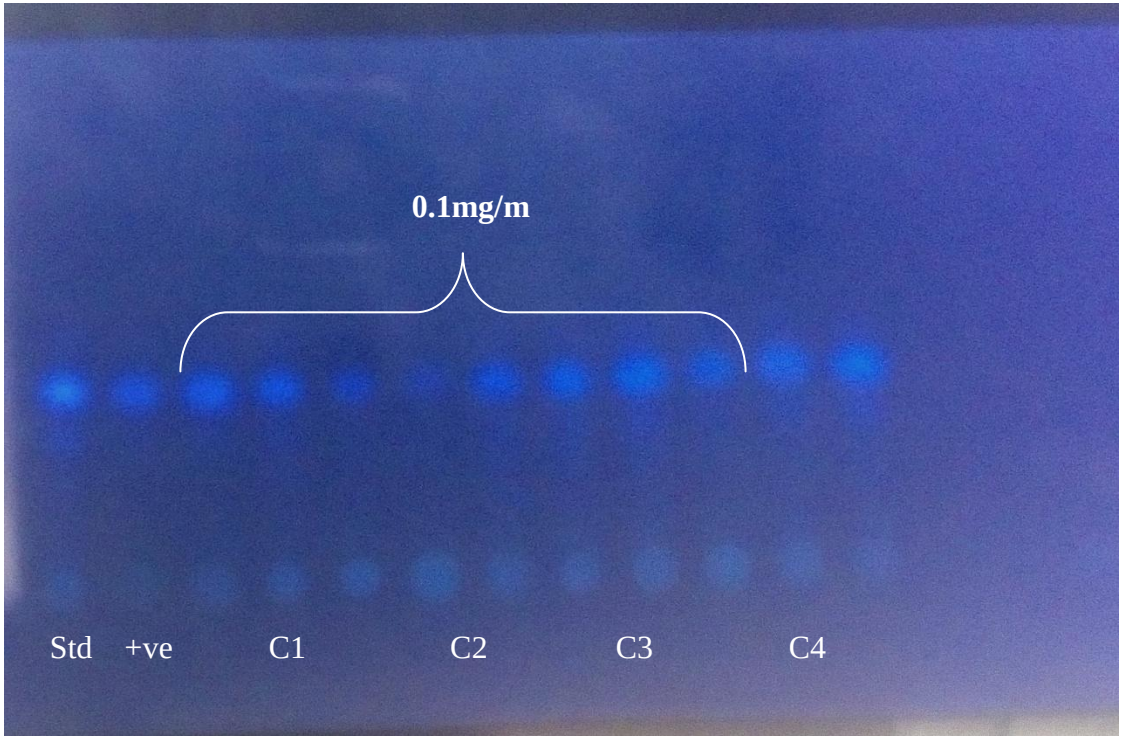


Figure 1: HPTLC plate observed under the UV light (254nm). Lane 1 is the standard AFB1 (1mg/ml) added in 2µl volume; lane 2 is the positive control; lane 3&4 are C1 of 0.1mg/ml concentration ; lane 5&6 are C2 of 0.1mg/ml concentration; lane 7&8 are C3 of 0.1mg/ml concentration; lane 9&10 are C4 of 0.1mg/ml concentration; lane 11&12 are c3 of 1mg/ml concentration.

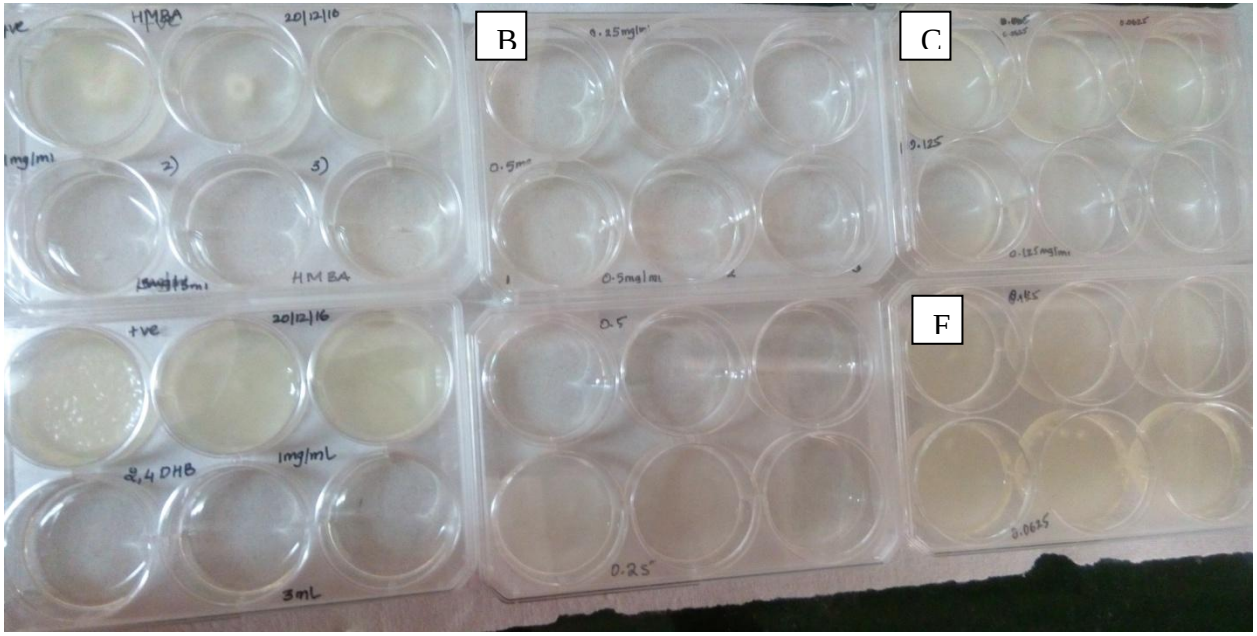


Figure 2 : Day 1 of the experiment broth microdilution method in carrying out the anti-aflatoxigenic activity of compounds HMBA (A,B &C)and DHB(D ,E&F)

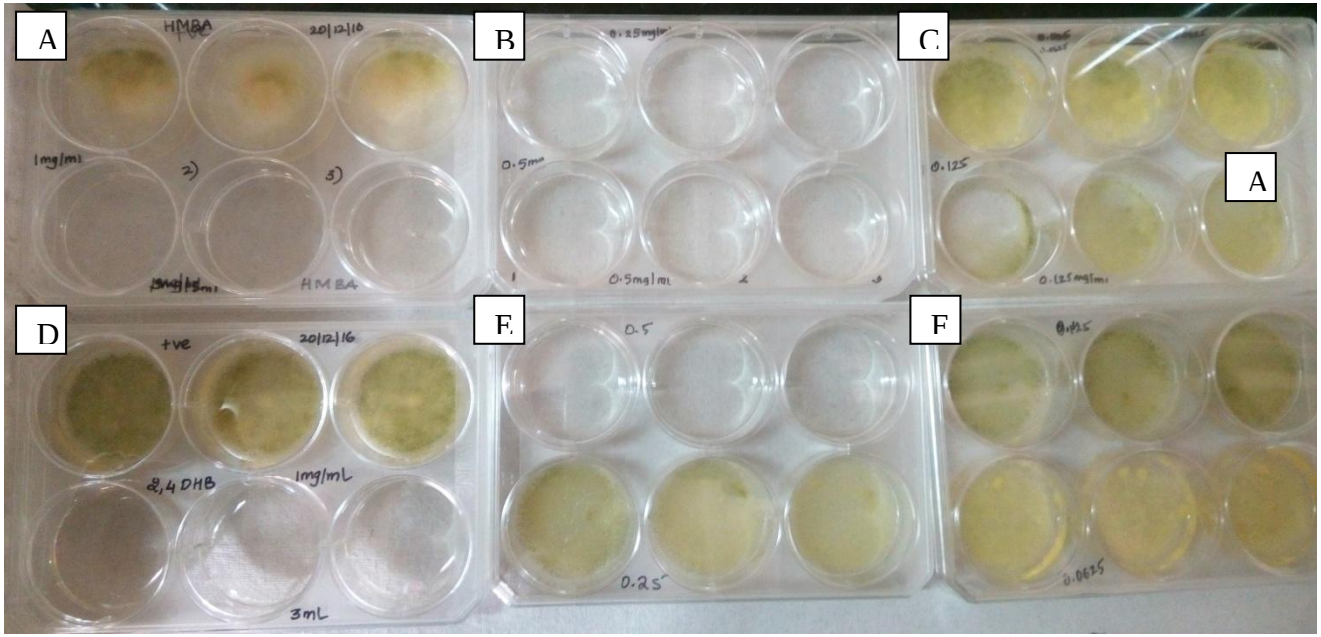


Figure 3 : Day 3 -Growth is comparatively more in positive control than in the treated wells.