

# Supporting Materials: Synthesis and Biological Testing of Novel Glucosylated Epigallocatechin Gallate (EGCG) Derivatives

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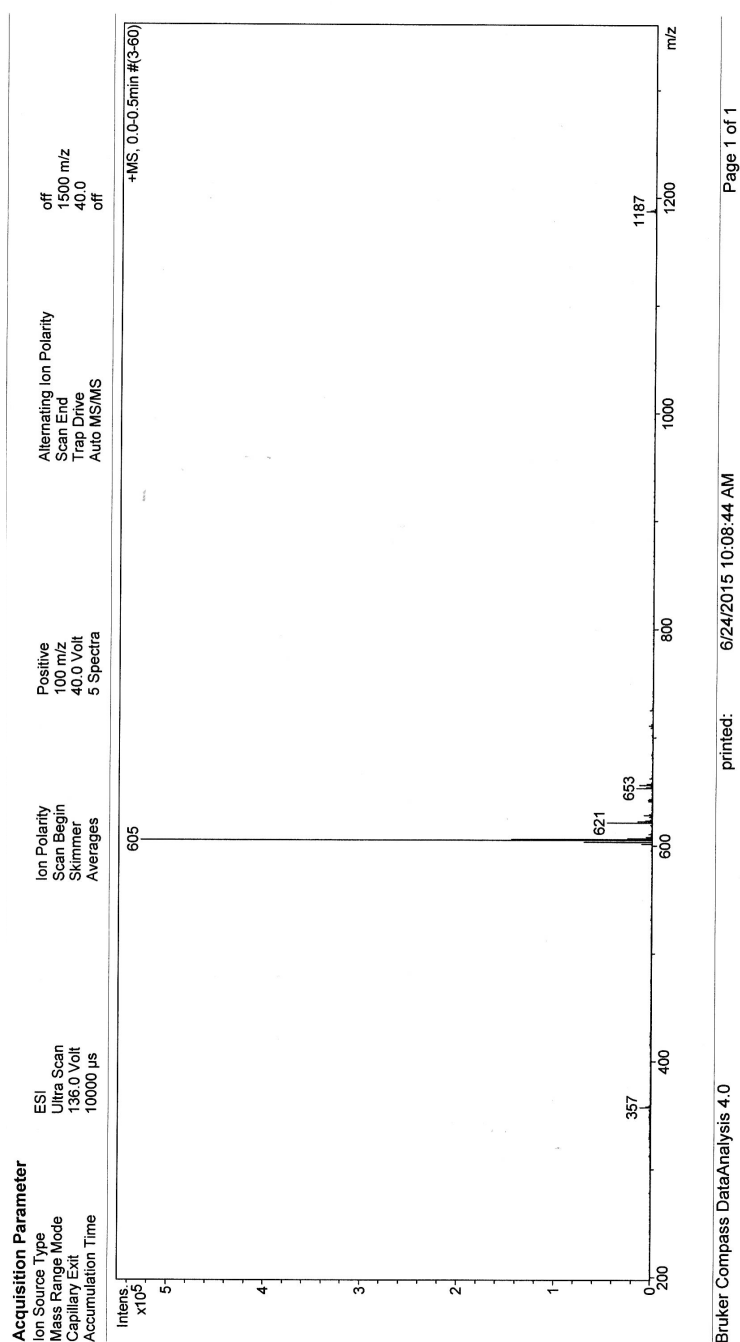


Figure S1. ESI MS of EGCG-G1 (2).

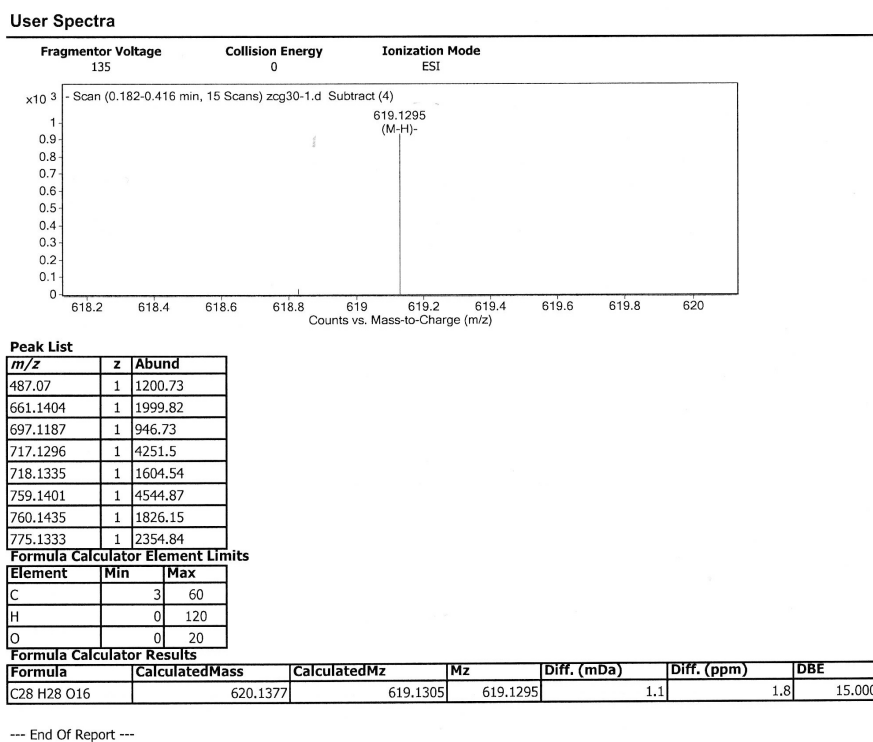
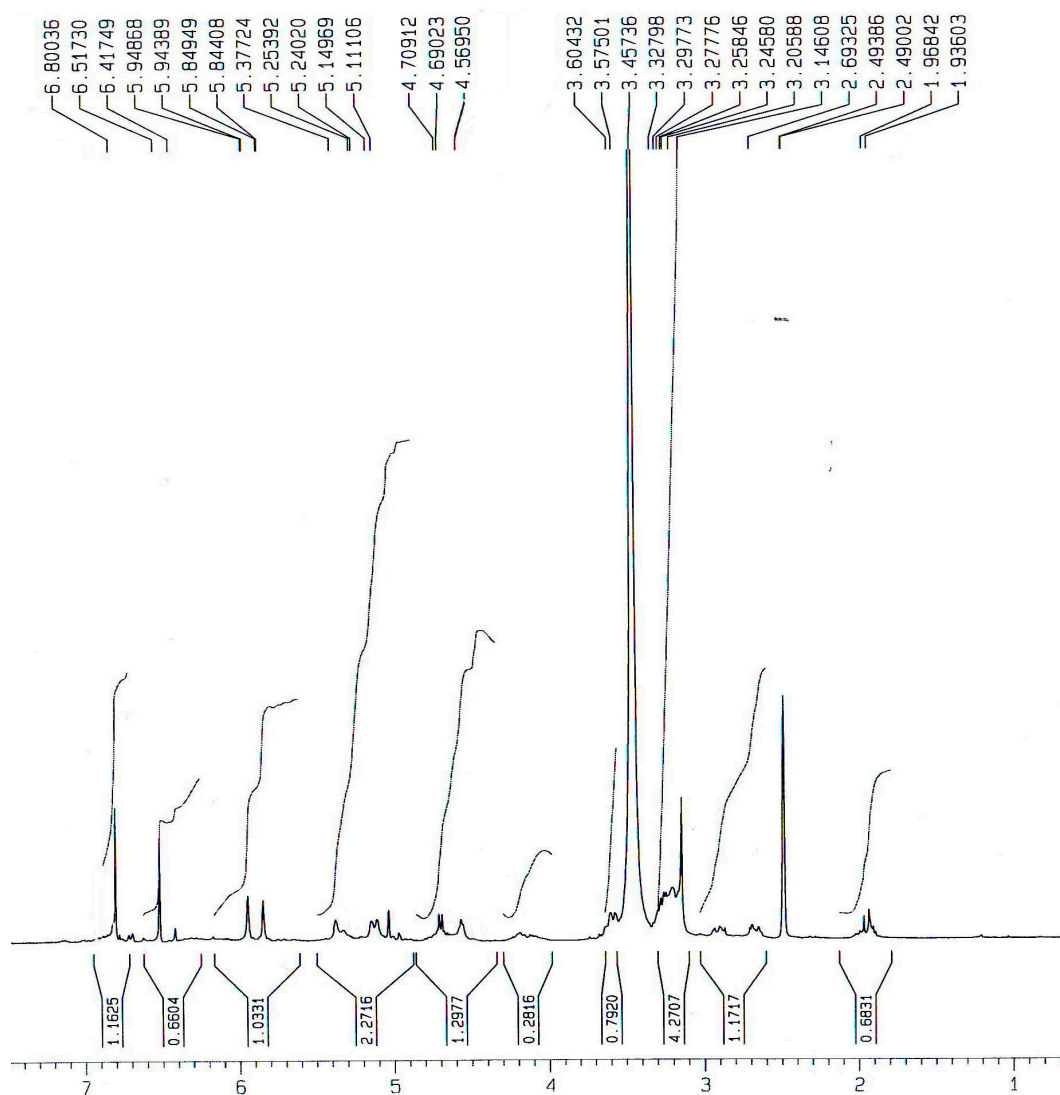
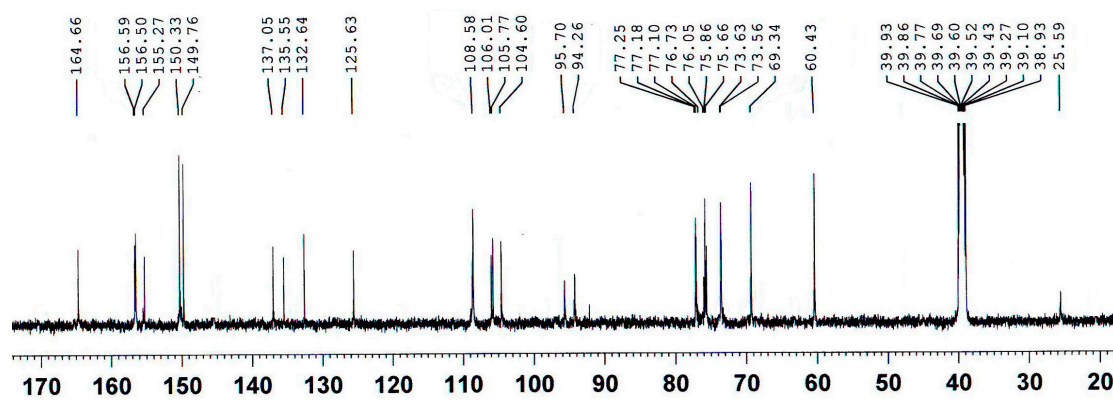


Figure S2. HRMS of EGCG-G1 (2).

Figure S3. <sup>1</sup>H-NMR of EGCG-G1 (2).Figure S4. <sup>13</sup>C-NMR of EGCG-G1 (2).

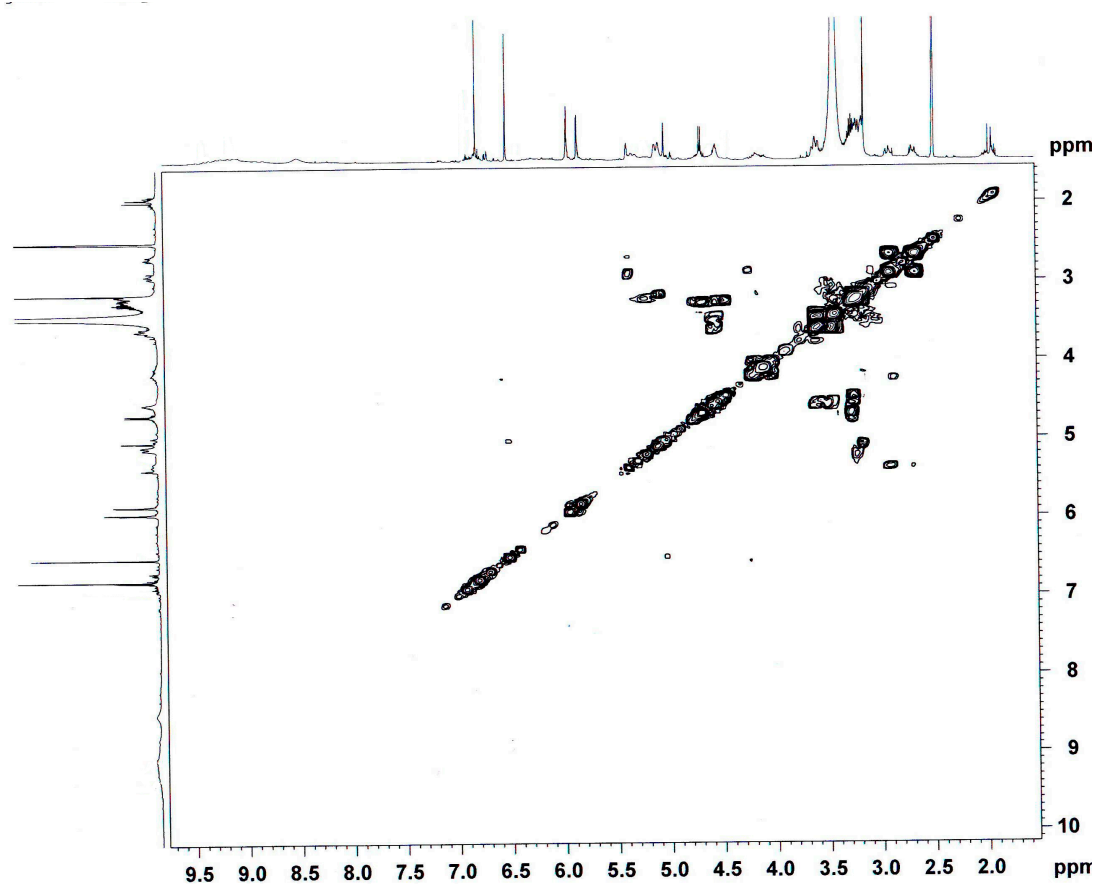


Figure S5. COSY of EGCG-G1 (2).

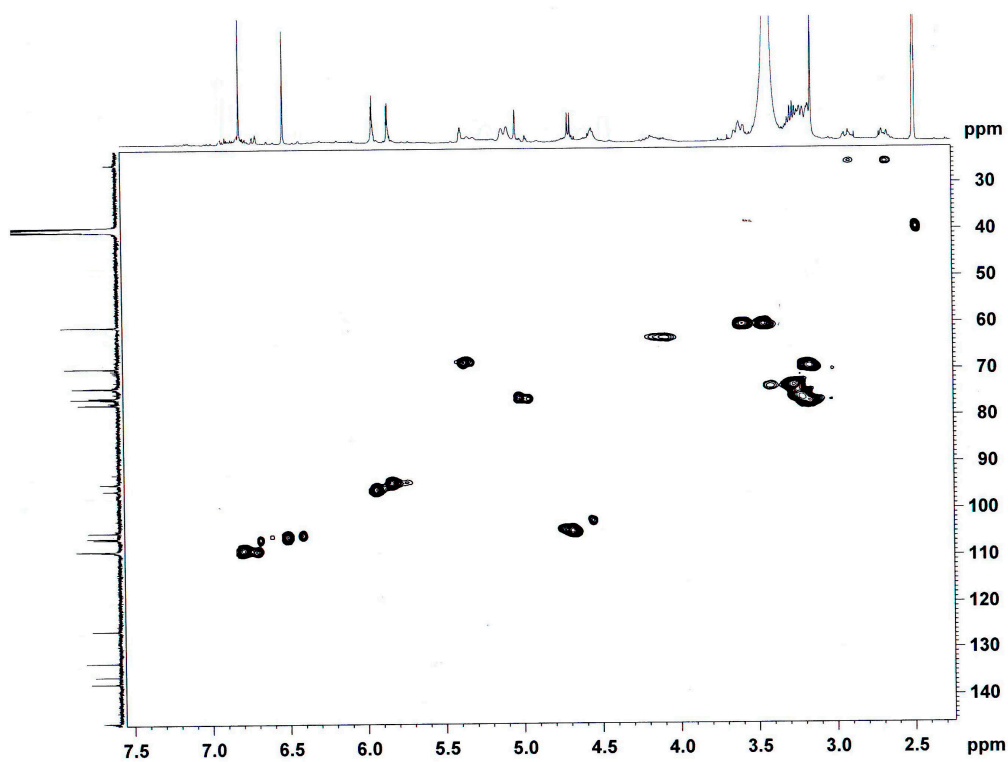


Figure S6. HSQC of EGCG-G1 (2).

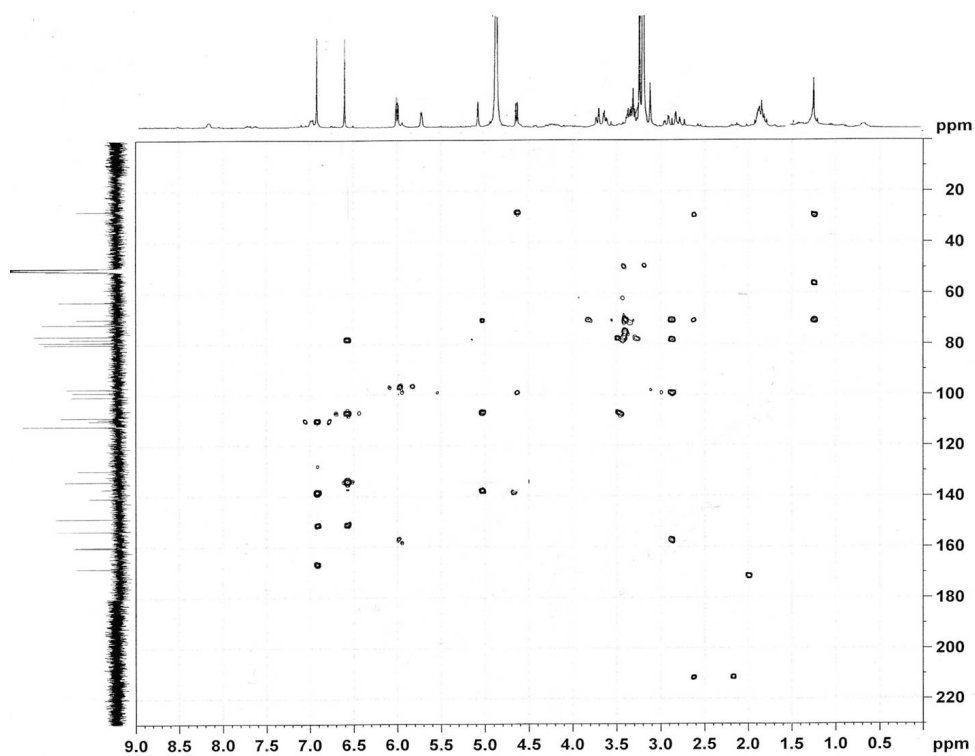


Figure S7. HMBC of EGCG-G1 (2).

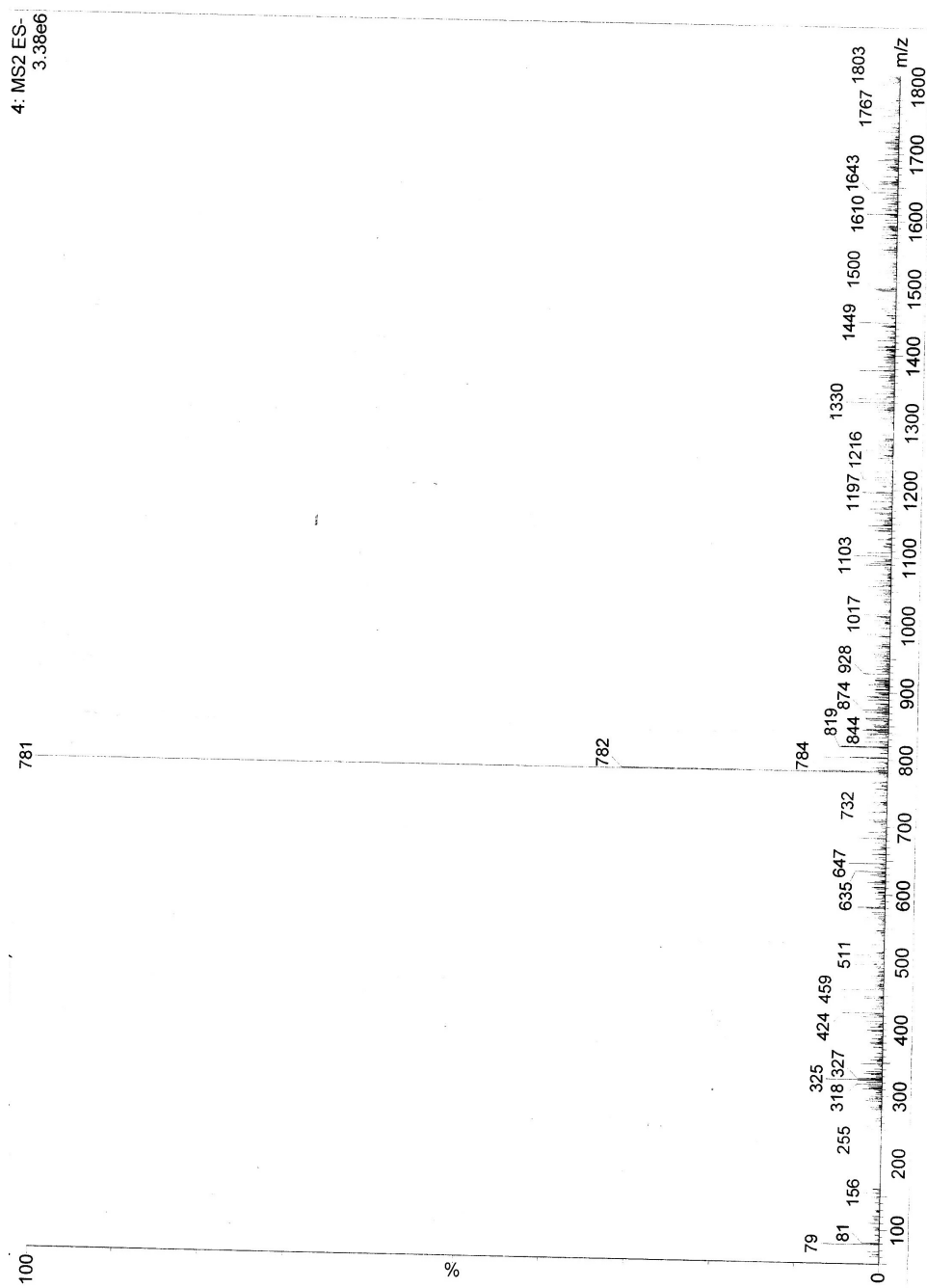
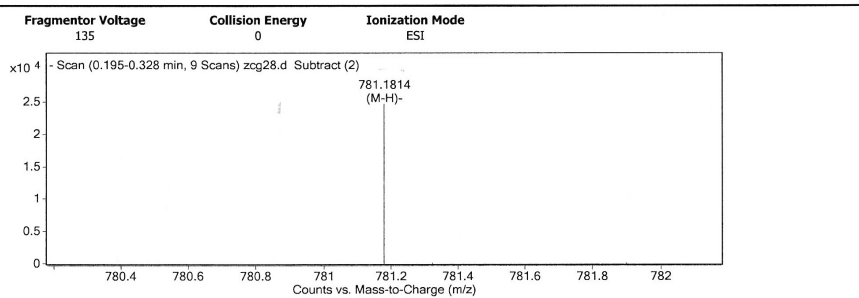


Figure S8. ESI MS of EGCG-G1 (3).

## User Spectra



## Peak List

m/z	z	Abund	Formula	Ion
781.1814	1	24798.21	C34 H38 O21	(M-H)-
782.1845	1	9102.5	C34 H38 O21	(M-H)-
817.1588	1	50449.92		
818.1617	1	18442.21		
819.1581	1	20595.71		
895.1738	1	10107.69		

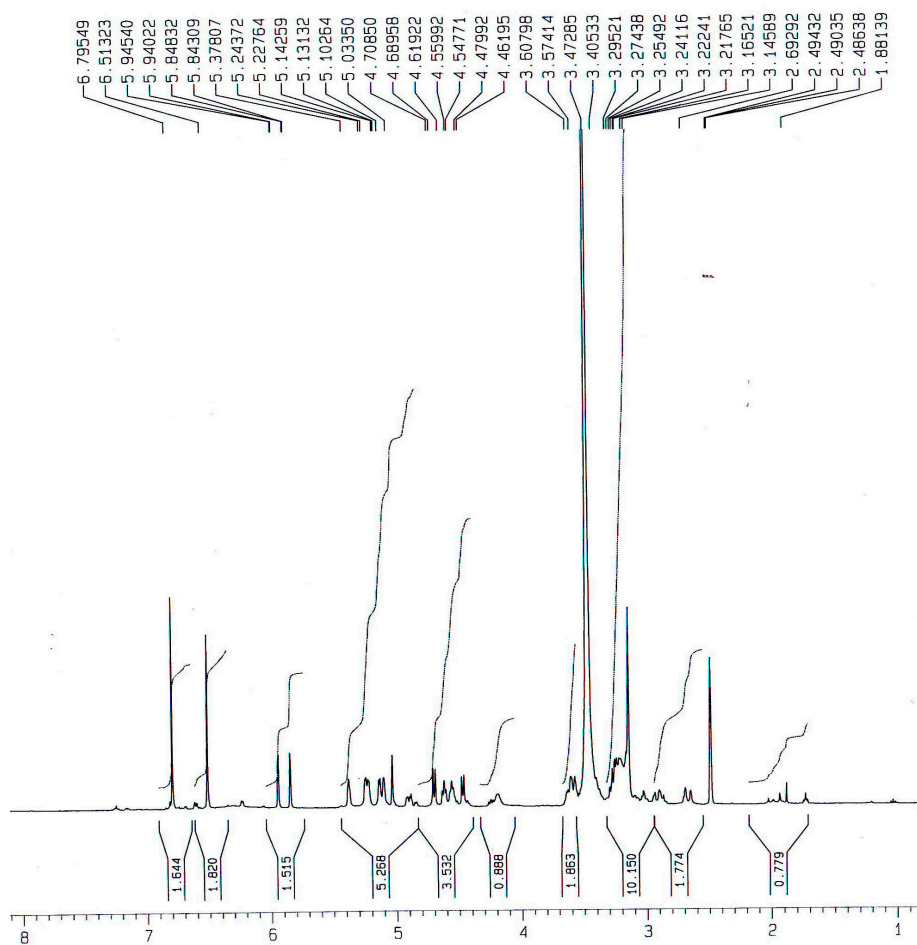
## Formula Calculator Element Limits

Element	Min	Max
C	3	60
H	0	120
O	0	30

## Formula Calculator Results

Formula	CalculatedMass	CalculatedMz	Mz	Diff. (mDa)	Diff. (ppm)	DBE
C34 H38 O21	782.1906	781.1833	781.1814	1.9	2.5	16.0000

Figure S9. HRMS of EGCG-G2 (3).

Figure S10. <sup>1</sup>H-NMR of EGCG-G2(3).

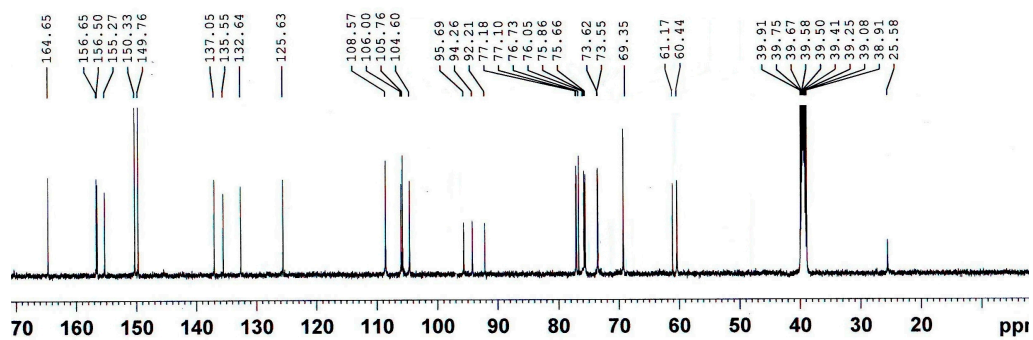
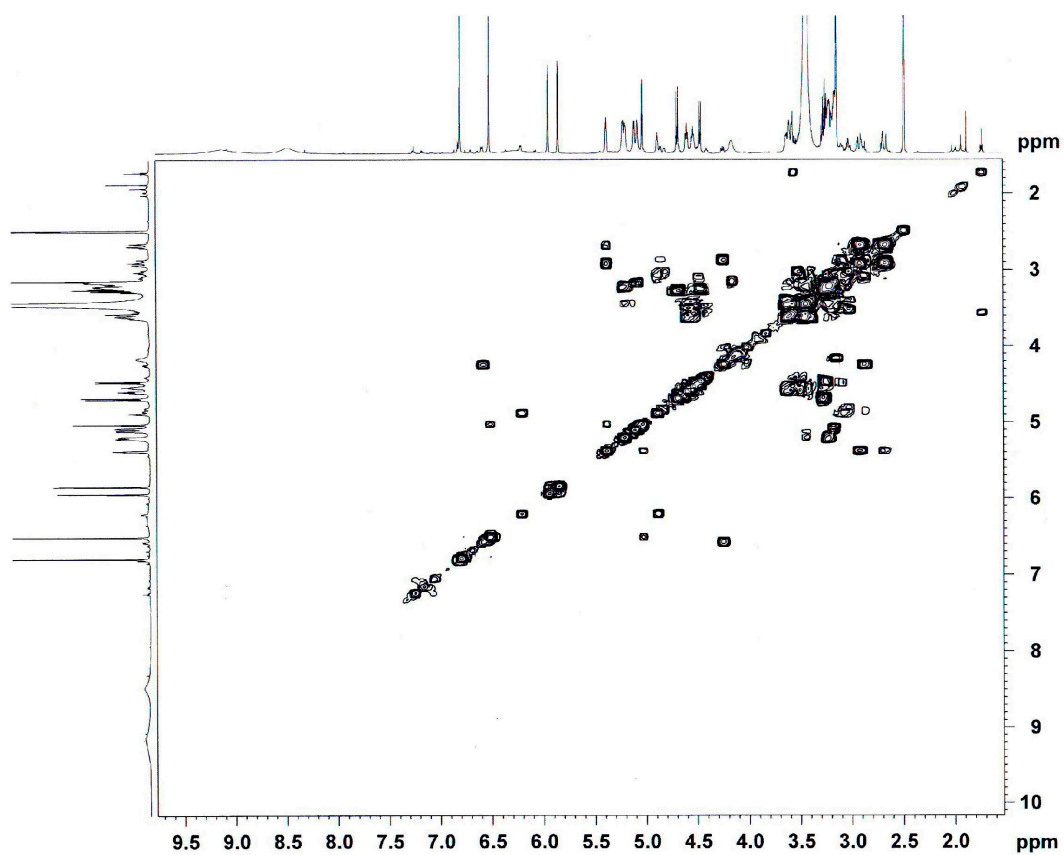
Figure S11. <sup>13</sup>C-NMR of EGCG-G2 (3).

Figure S12. COSY of EGCG-G2 (3).



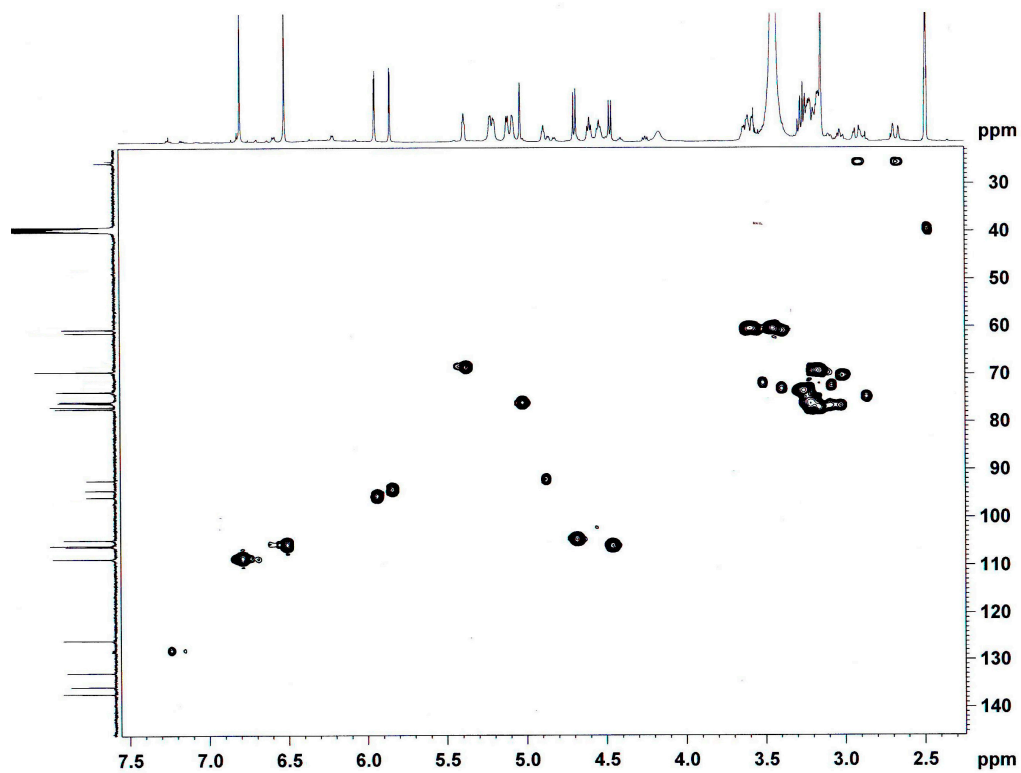


Figure S13. HSQC of EGCG-G2 (3).

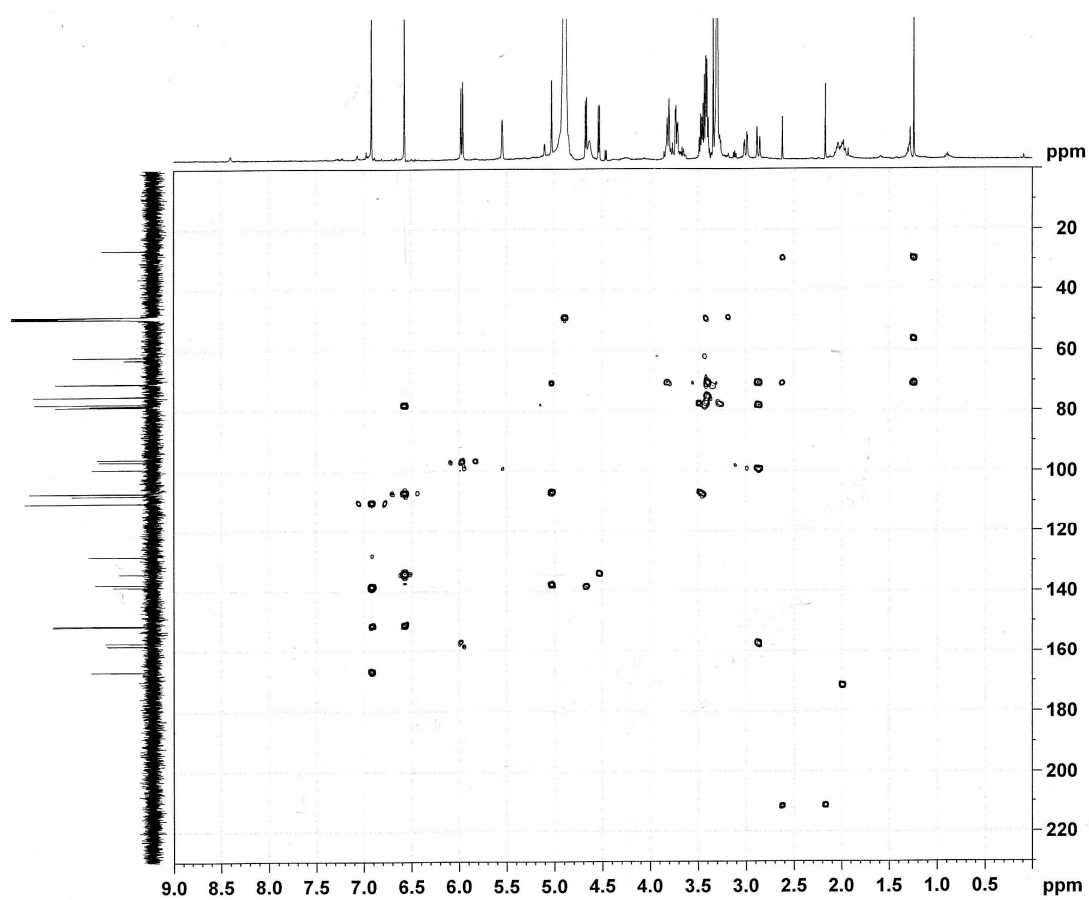


Figure S14. HMBC of EGCG-G2 (3).