Electronic Supplementary Material (ESI) for RSC Advances.

Table S1 Primers used in this study

Primers name	Primers sequence	Recognition sites
bgl-1-F	CGGGATCCTTGTCAAACAAAGAACGGTTTTT	*Bam*H I
bgl-1-R	ATAAGAATGCGGCCGCTTAGTTGATCAGACGATGGTATTCA	*Not* I
bgl-2-F	CGGGATCCATGGTCAAAGAAAGAAGCTTTCTT	*Bam*H I
bgl-2-R	ATAAGAATGCGGCCGCCTATCCTCCTTGAGGCAGGAT	*Not* I
bgl-3-F	GGAATTCCATATGATGAAAAAGTTGGCTCAAAGAGT	*Nde* I
bgl-3-R	CGGGATCCTCATCGGTTCTTTTCATTCATT	*Bam*H I
bgl-4-F	CGGGATCCTTATTCGTCTGTTTCCTCATAGC	*Bam*H I
bgl-4-R	ATAAGAATGCGGCCGCTTAATGAAGATTACCAATCCAGTGC	*Not* I
bgl-5-F	CGGAATTCTTAAAAACCGTTATTCTTTGAAAC	*Eco*R I
bgl-5-R	CCCAAGCTTTTAATGTCGATGGAAACTAACAAGC	*Hin*d III

Table S2. universal citric acid–disodium hydrogen phosphate buffers

pH	0.2 mol/L Na_2HPO_4 (mL)	0.1 mol/L $C_6H_8O_7$ (mL)
3.0	4.11	15.89
3.2	4.94	15.06
3.4	5.70	14.30
3.6	6.44	13.56
3.8	7.10	12.90
4.0	7.71	12.29
4.2	8.28	11.72
4.4	8.82	11.18
4.6	9.35	10.65
4.8	9.86	10.14
5.0	10.30	9.70
5.2	8.28	11.72
5.4	8.82	11.18
5.6	9.35	10.65
5.8	9.86	10.14
6.0	12.63	7.37
6.2	13.22	6.78
6.4	13.85	6.15
6.6	14.55	5.45
6.8	15.45	4.55
7.0	16.47	3.53
7.2	17.39	2.61
7.4	18.17	1.83
7.6	18.73	1.27
7.8	19.15	0.85
8.0	19.45	0.55

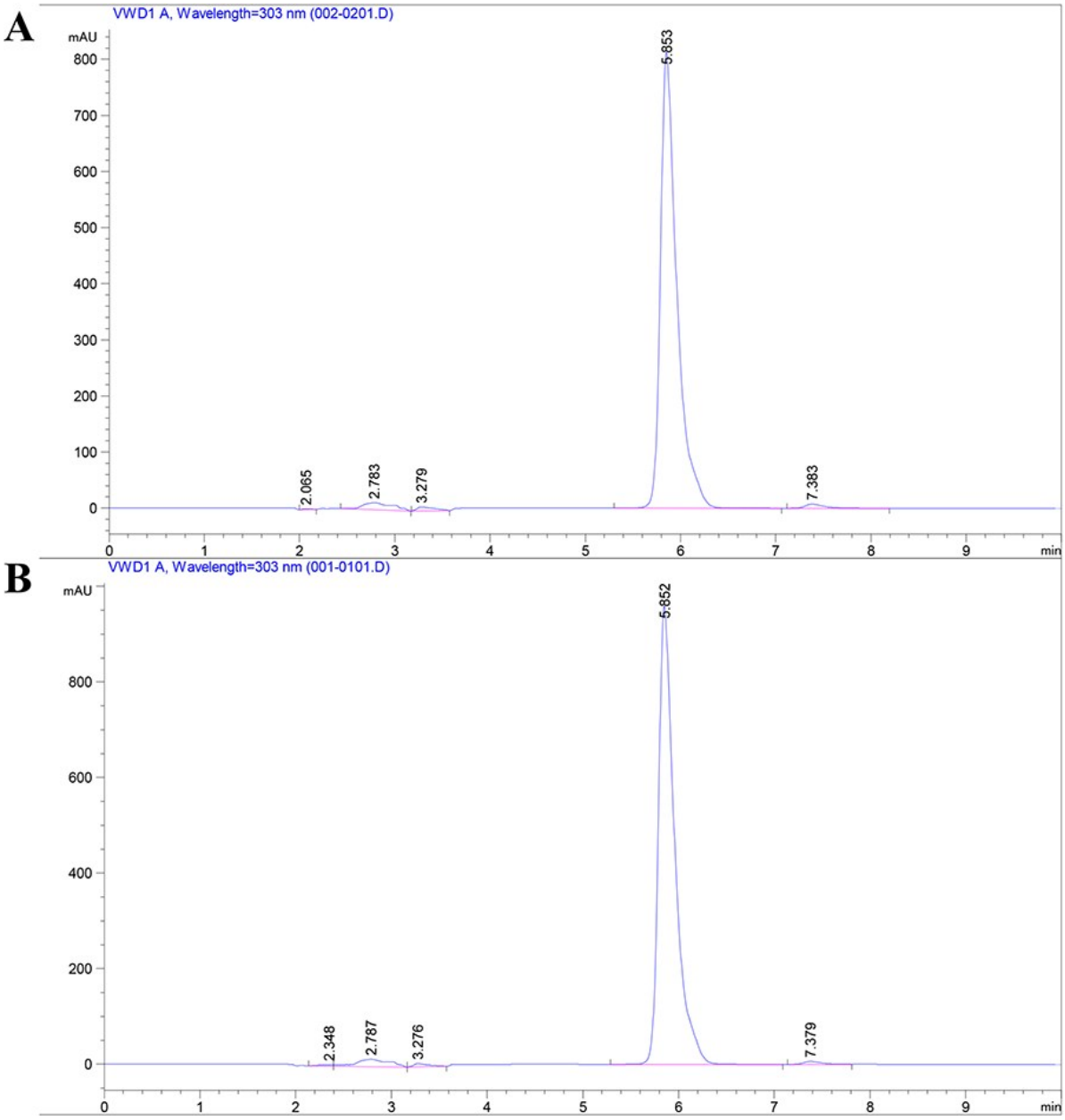

Fig. S1 The original copies of HPLC

(A) HPLC of product resveratrol (B) HPLC of resveratrol standard

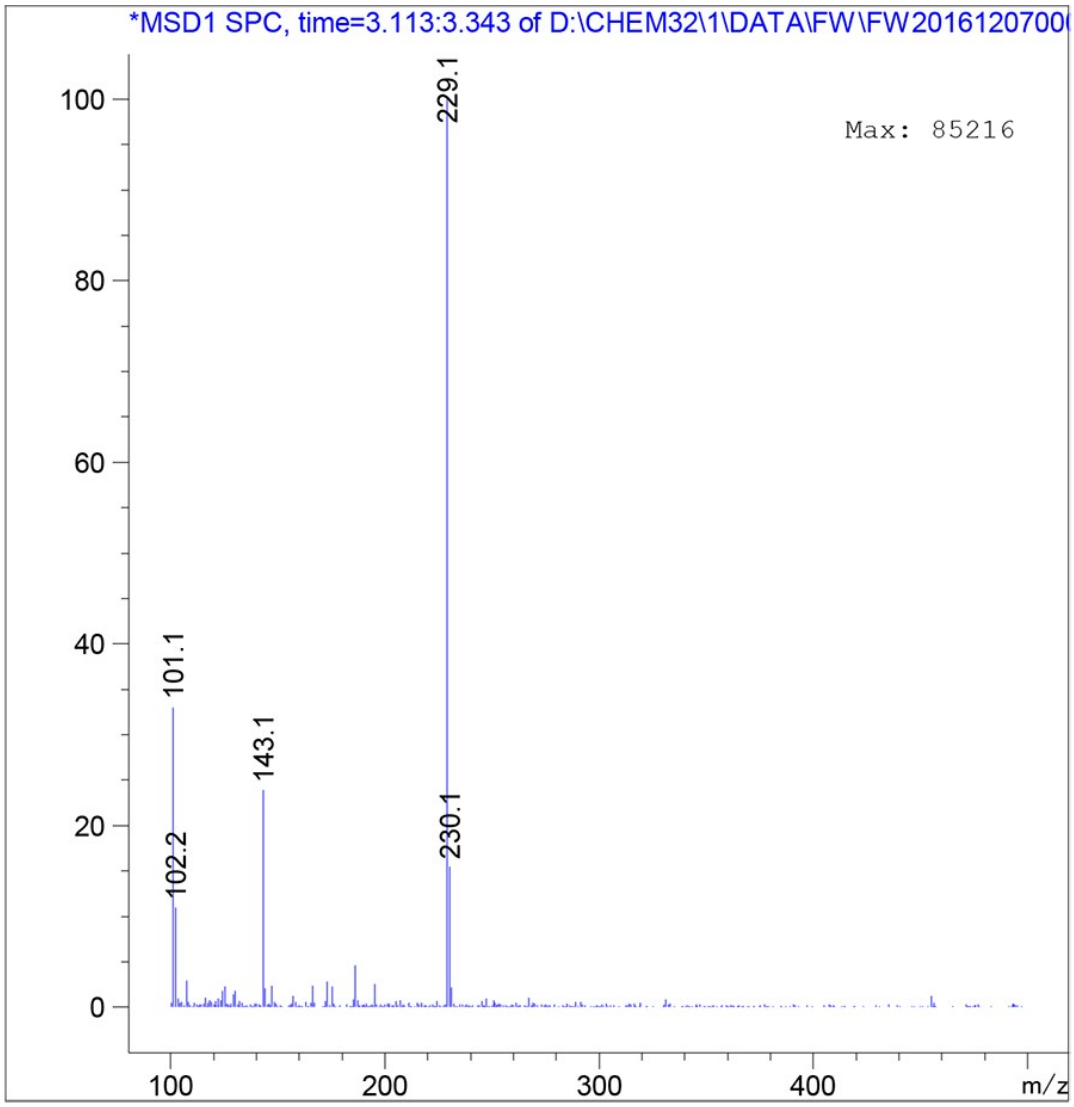

Fig. S2 The original copies of MS

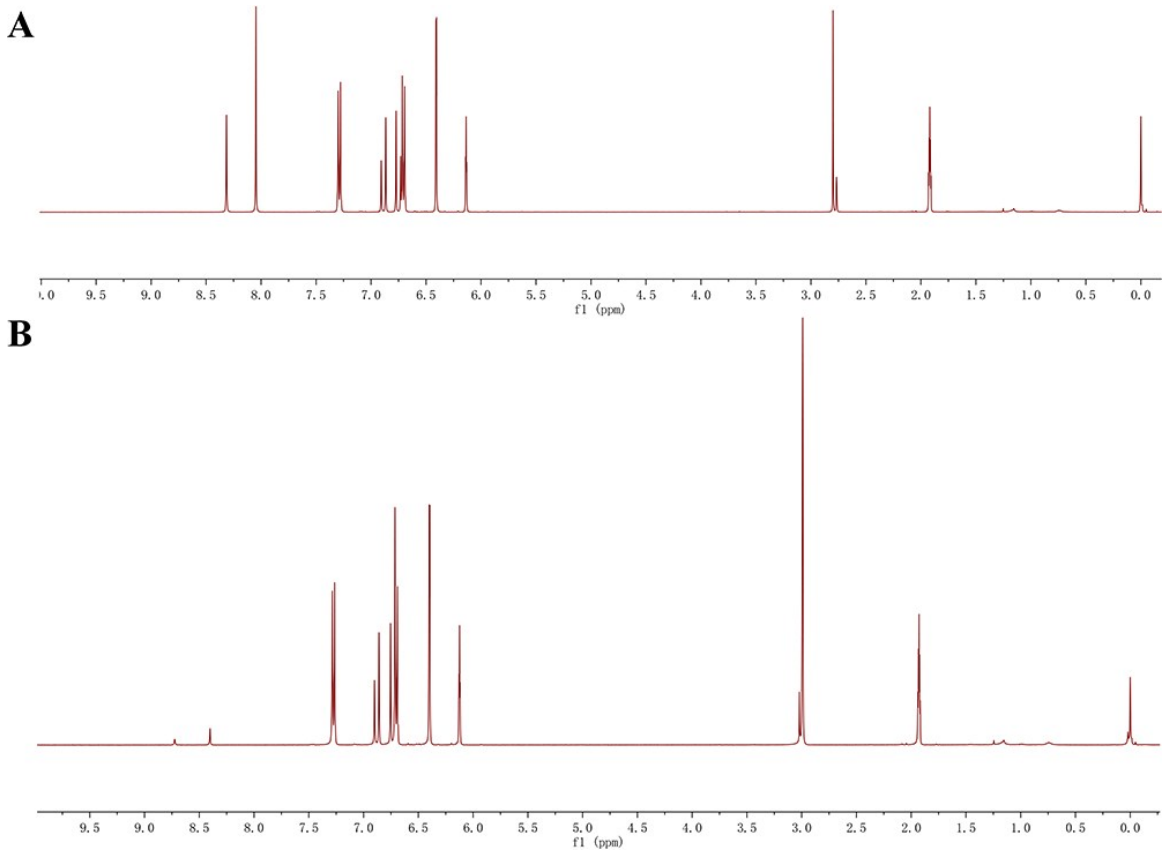

Fig. S3 The original copies of ^{1}H-NMR

(A) ^{1}H-NMR of resveratrol in Acetone-D6 (B) ^{1}H-NMR of resveratrol in Acetone-D6 adding D_2O