

**Table S3.** Thermal degradation parameters of Mv3glc, vitisin A, Me-py, and oxovitisin A.

Anthocyanins	T(°C)	k(h <sup>-1</sup> )	T <sub>1/2</sub> (h)	R <sup>2</sup>
Mv3glc	50	0.0406	17.07	0.970
	60	0.0643	10.78	0.960
	70	0.101	6.88	0.974
	80	0.138	5.04	0.971
	90	0.239	2.90	0.953
Vitisin A	50	0.0108	64.21	0.953
	60	0.0140	49.52	0.922
	70	0.0212	32.58	0.949
	80	0.0318	21.83	0.923
	90	0.0611	11.35	0.957
Me-py	50	7.737×10 <sup>-3</sup>	89.59	0.997
	60	0.0140	49.35	0.964
	70	0.0209	33.14	0.940
	80	0.0248	27.94	0.983
	90	0.0277	25.04	0.984
Oxovitisin A	50	5.261×10 <sup>-4</sup>	1317.52	0.750
	60	7.898×10 <sup>-4</sup>	877.62	0.921
	70	8.077×10 <sup>-3</sup>	85.82	0.974
	80	9.942×10 <sup>-3</sup>	69.71	0.858
	90	1.623×10 <sup>-2</sup>	42.71	0.972