

1 **Table 5:** Changes in major sinapic acid derivatives on acidification vs non-acidification

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Solvent	Temperature (°C)	Acidification (1.5% ^θ PA)	Sinapine (mg/g ^ψ DW)	Sinapic Acid (mg/g DW)	Canolol (μg/g DW)
Water	160	NA	1.14 ± 0.01 ^a	0.22 ± 0.00 ^a	67.84 ± 6.01 ^a
Water	160	A	7.06 ± 2.52 ^b	2.23 ± 1.59 ^b	386.80 ± 6.50 ^b
^τ MeOH (70%)	160	NA	4.80 ± 0.06	0.50 ± 0.00	304.13 ± 26.01
MeOH (70%)	160	A	4.60 ± 0.62	0.55 ± 0.24	333.74 ± 47.21
^σ EtOH (70%)	160	NA	5.94 ± 0.02	0.56 ± 0.01	118.31 ± 7.10 ^a
EtOH (70%)	160	A	6.11 ± 2.57	0.65 ± 0.08	402.79 ± 82.14 ^b

3 ^θPA – Phosphoric acid, NA – Not Applied, A- Applied, ^τMeOH – methanol, ^σEtOH – ethanol, mg –

4 milligram, μg – microgram, ^ψDW – dry weight, a,b – statistically significantly different