



Supplementary Materials

Evaluation of the Effects of Process Conditions on the Extraction of Glucosinolates from Broccoli Sprouts

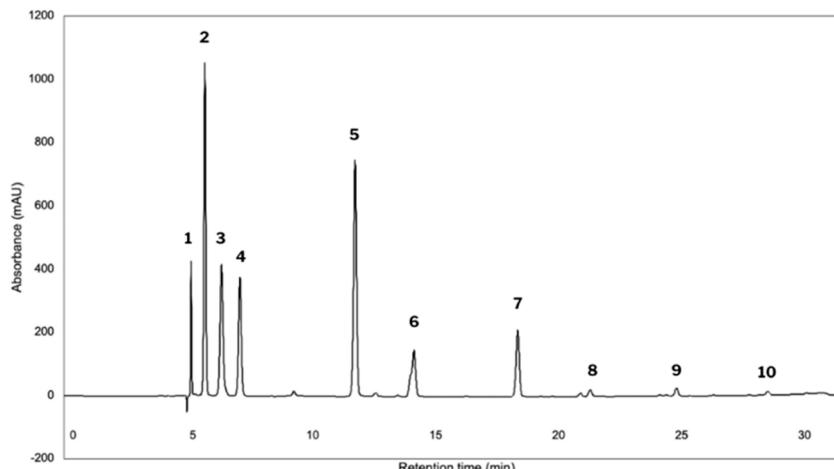
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Peak number	Retention time (min)	λ_{max} (nm)	Compound
1	5.2	227	Glucoiberin-dsg
2	6.0	232	Progoitrin-dsg
3	6.8	218	Glucoraphanin-dsg
4	7.5	232	1-hydroxy-3-indoylmethyl-dsg
5	12.2	229	4-hydroxy-glucobrassicin-dsg
6	14.5	222, 267	Glucobrassicinapin-dsg
7	18.8	210, 225	Glucoeurocin-dsg
8	21.7	220, 229	Gluconasturtiin-dsg
9	25.2	221, 230	4-methoxy-glucobrassicin-dsg
10	28.9	230, 272	Neoglucobrassicin-dsg

Figure S1. Typical HPLC-DAD chromatograms (shown at 227 nm) of identified desulfoglucosinolates (dsg) from broccoli sprout extracted with 40°C, 1:35 (w/v) and 50% ethanol. Peak assignment: Glucoiberin-dsg (1); Progoitrin-dsg (2); Glucoraphanin-dsg (3); 1-hydroxy-3-indoylmethyl-dsg (4); 4-hydroxy-glucobrassicin-dsg (5); Glucobrassicinapin-dsg (6); Glucoeurocin-dsg (7); Gluconasturtiin-dsg (8); 4-methoxy-glucobrassicin-dsg (9); Neoglucobrassicin-dsg (10).