

Supplementary Information

Chemometric-Guided Chemical Marker Selection: A Case Study Of The Heat-Clearing Herb *Scrophularia ningpoensis*

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Table S1. The Inh% of superoxide generation of the *S. ningpoensis* fractions (20 μ g/ml) **Figure S1.** The high-performance liquid chromatography (HPLC) bioassay profiling was performed using the retention time-based fractionation approach together with the assessment of neutrophilic inhibition (anti-superoxide anion generation).

Figure S2. The bioactivity score (BS) calculations of selective clusters.



Sample	Superoxide anion Inh%	
SN-EW-1	6.31±5.23	
SN-EW-2	15.72±6.06	
SN-EW-3	21.19±6.50	*
SN-EW-4	34.94±6.44	**
SN-EW-5	24.36±6.87	*
SN-EW-6	19.01 ± 5.74	*
SN-EW-7	35.38 ± 5.80	**
SN-EW-8	16.80 ± 2.48	**
SN-EW-9	7.08 ± 4.17	

<u>**Table S1.**</u> The Inh% of superoxide generation of the S. ningpoensis fractions (20 μ g/ml)

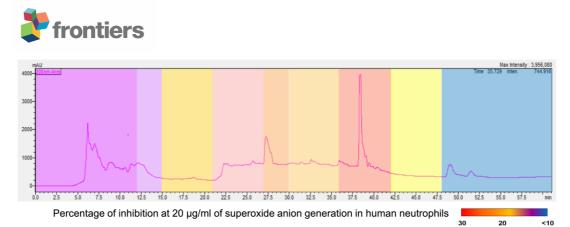


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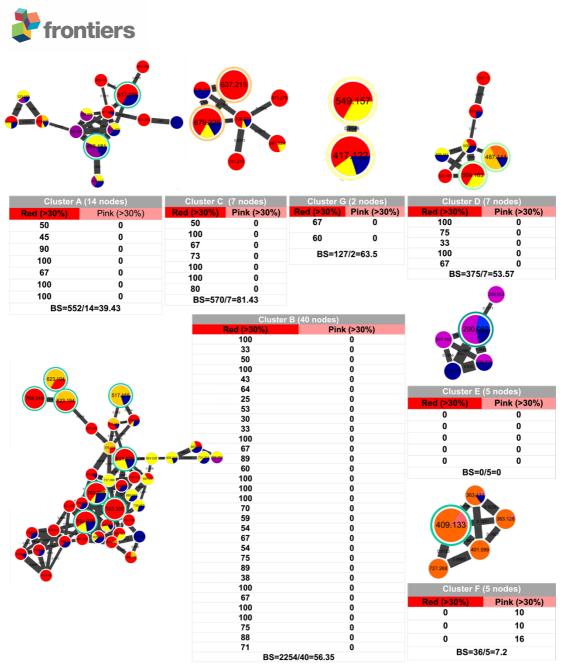


Figure S2. The bioactivity score (BS) calculations of selective clusters.