

Supplementary materials

Potential Antioxidative and Anti-Hyperuricemic Components Targeting Superoxide Dismutase and Xanthine Oxidase Explored from *Polygonatum Sibiricum* Red.

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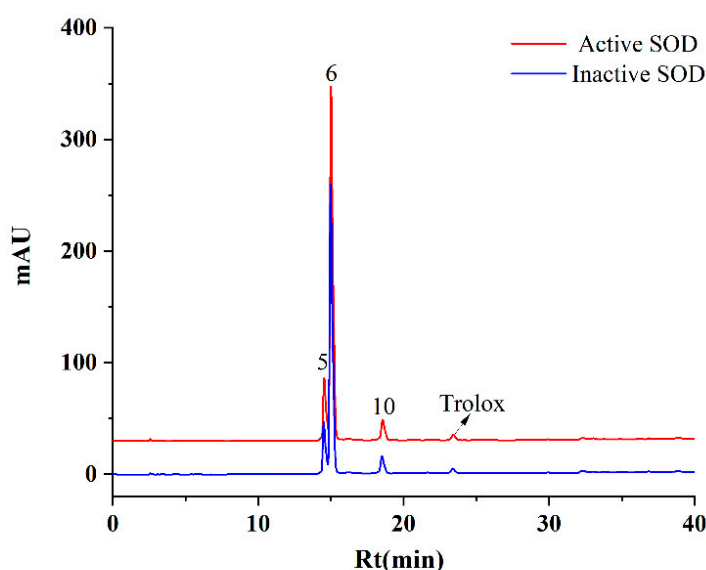


Figure S1. The UF-LC-UV chromatograms of the potential ligands of superoxide dismutase (SOD) at 280 nm. The red and blue line represent activated and inactivated SOD, respectively. (5, *N-trans-p*-coumaroyloctopamine; 6, *N-trans-feruloyloctopamine*; 10, *N-trans-feruloyltyramine*).

Table S1. The relative binding degree (BD) and the relative IC₅₀ data of potential SOD ligands in *P. sibiricum*.

NO.	Compound	BD (%)	Relative IC ₅₀ (mM)
5	<i>N-trans-p</i> -coumaroyloctopamine	19.10	2.06
6	<i>N-trans-feruloyloctopamine</i>	21.70	1.81
10	<i>N-trans-feruloyltyramine</i>	25.80	1.52
-	Trolox	13.98	2.82

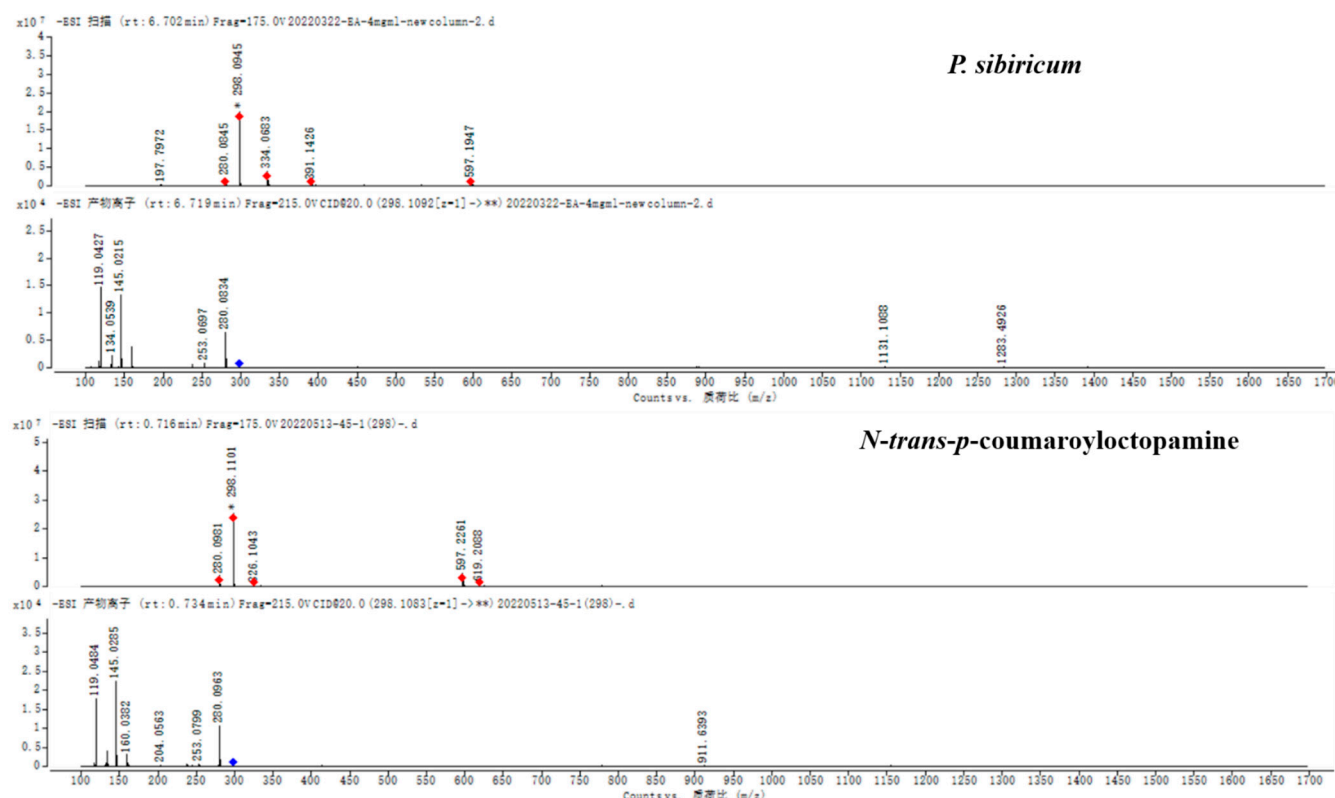


Figure S2. The mass spectrometry fragments of *N-trans-p-coumaroyloctopamine* in standard substance and *P. sibiricum*.

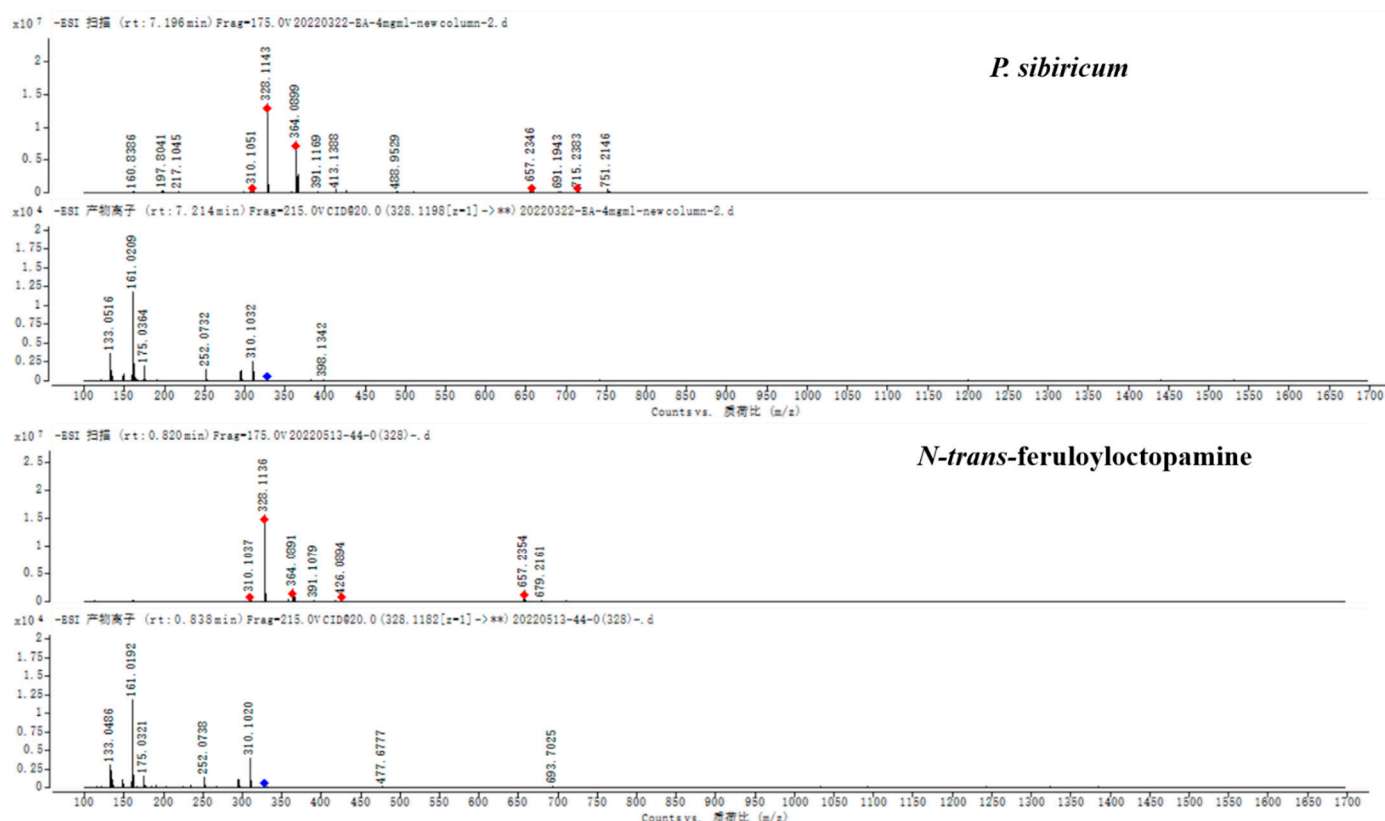


Figure S3. The mass spectrometry fragments of *N-trans-feruloyloctopamine* in standard substance and *P. sibiricum*.

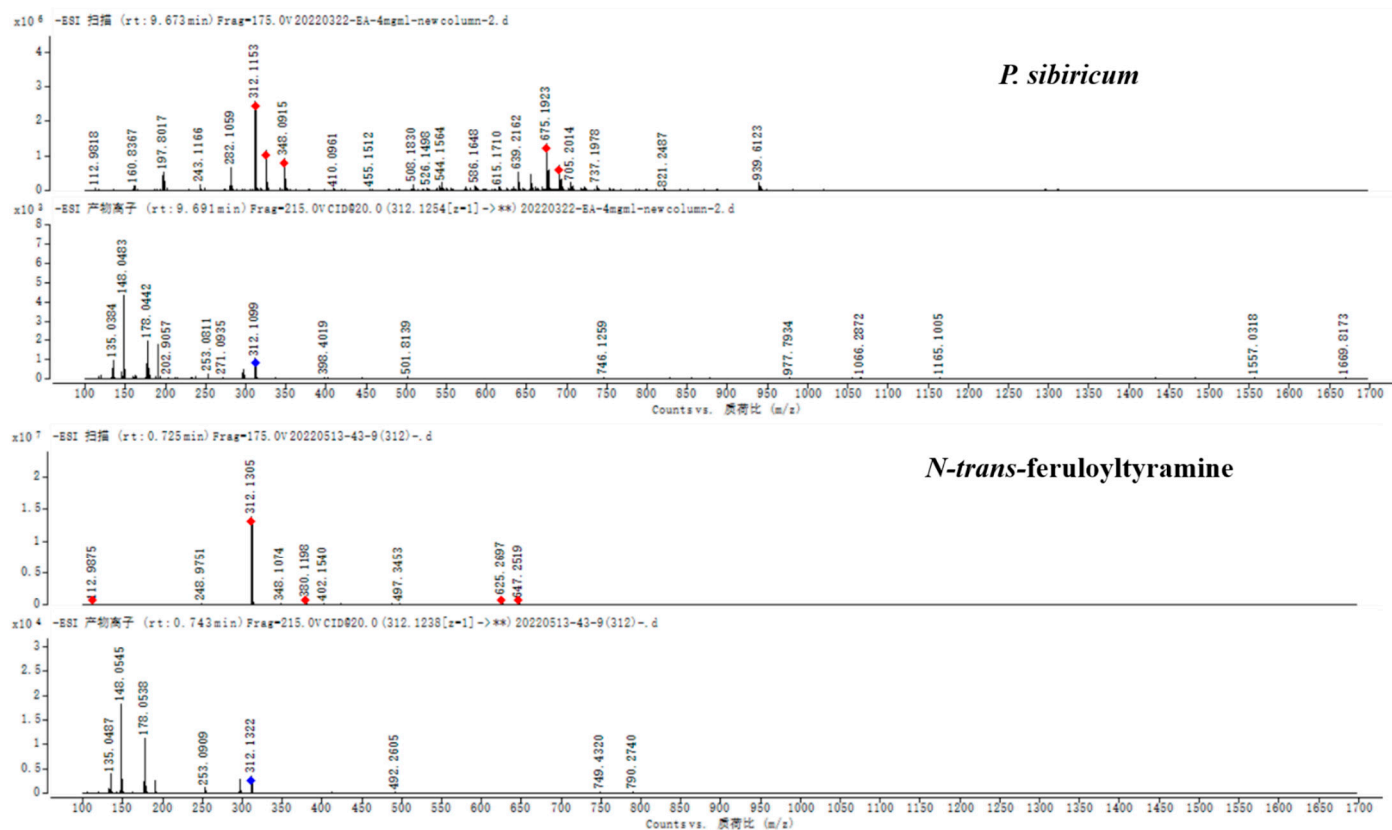


Figure S4. The mass spectrometry fragments of *N-trans-feruloyltyramine* in standard substance and *P. sibiricum*.

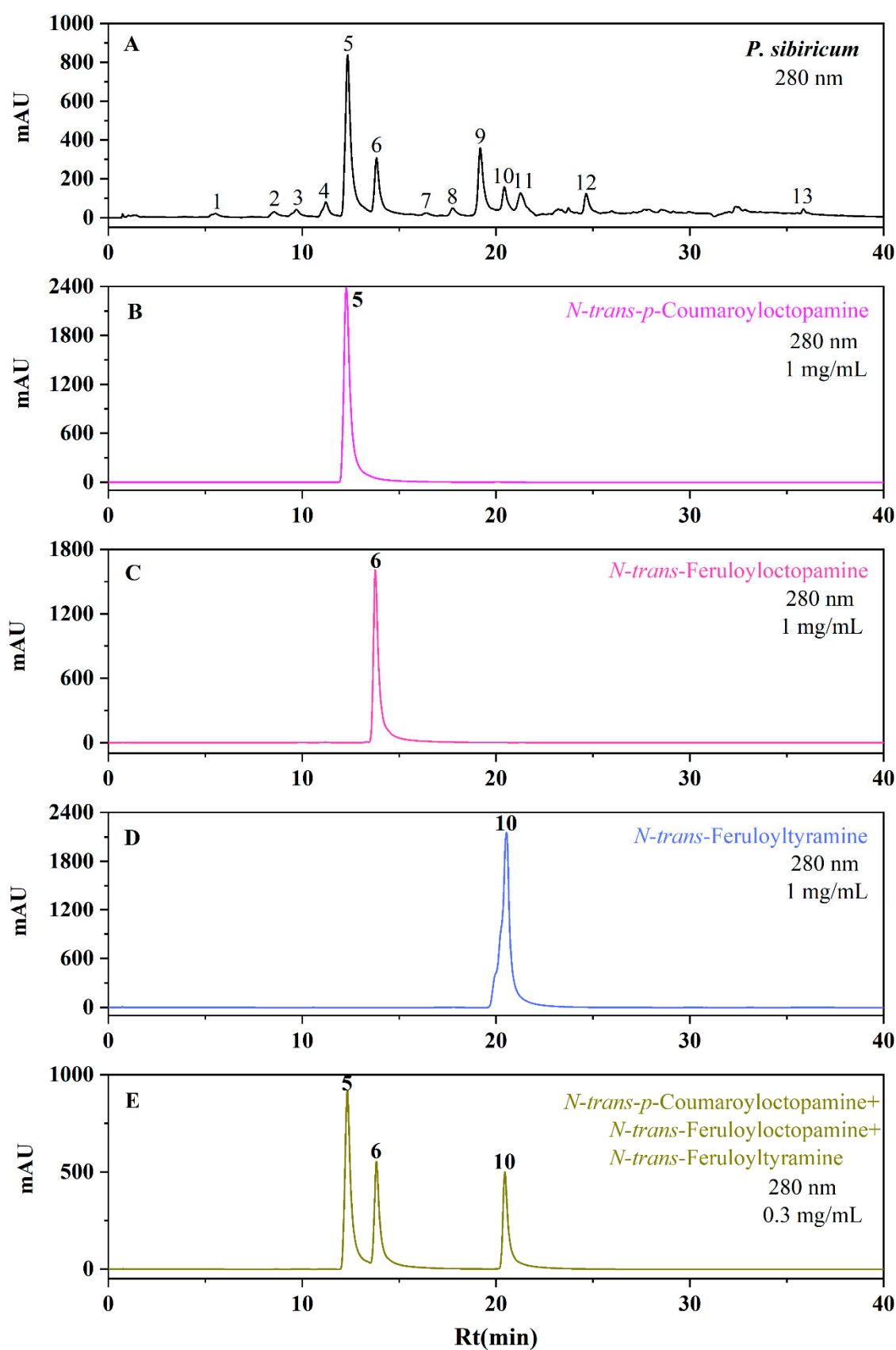


Figure S5. The UPLC of the potential ligands' standards to SOD. A: *P. sibiricum*; B: *N-trans-p-coumaroyloctopamine*; C: *N-trans-feruloyloctopamine*; D: *N-trans-feruloyltyramine*; E: *N-trans-p-coumaroyloctopamine* + *N-trans-feruloyloctopamine* + *N-trans-feruloyltyramine*.