

Supplementary materials

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Potential Antioxidative Components in *Azadirachta indica* Revealed by Bio-affinity Ultrafiltration with SOD and XOD

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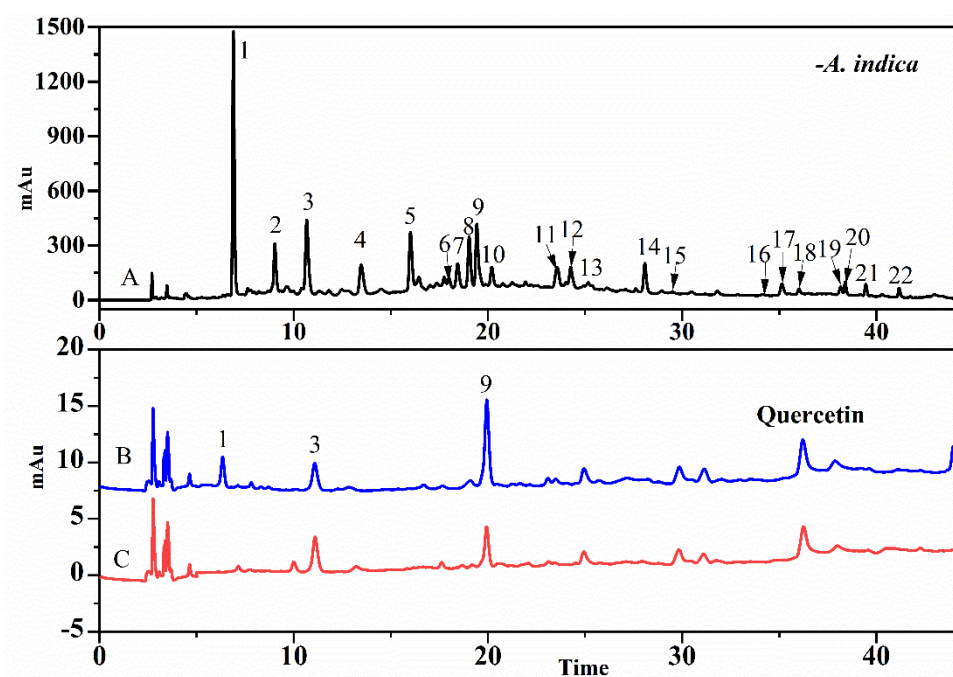


Figure S1. The UF-LC-MS of the potential ligands of SOD. Line A: *A. indica*; Line B: UF-LC-MS of Gallic acid+Protocatechuic acid+(-)-Epicatechin+Quercetin with active SOD; Line C: UF-LC-MS of Gallic acid+Protocatechuic acid+(-)-Epicatechin+Quercetin with inactive SOD; 280nm

Table S1. The relative binding affinity (RBA) and the relative IC₅₀ data of potential SOD ligands in *A. indica*.

No.	Identification	RBA	IC ₅₀ (mM)
		SOD	
1	Gallic acid	0.084	3.15
3	Protocatechuic acid	0.84	0.32
9	(-)-Epicatechin	0.34	0.79
Quercetin		0.46	0.58

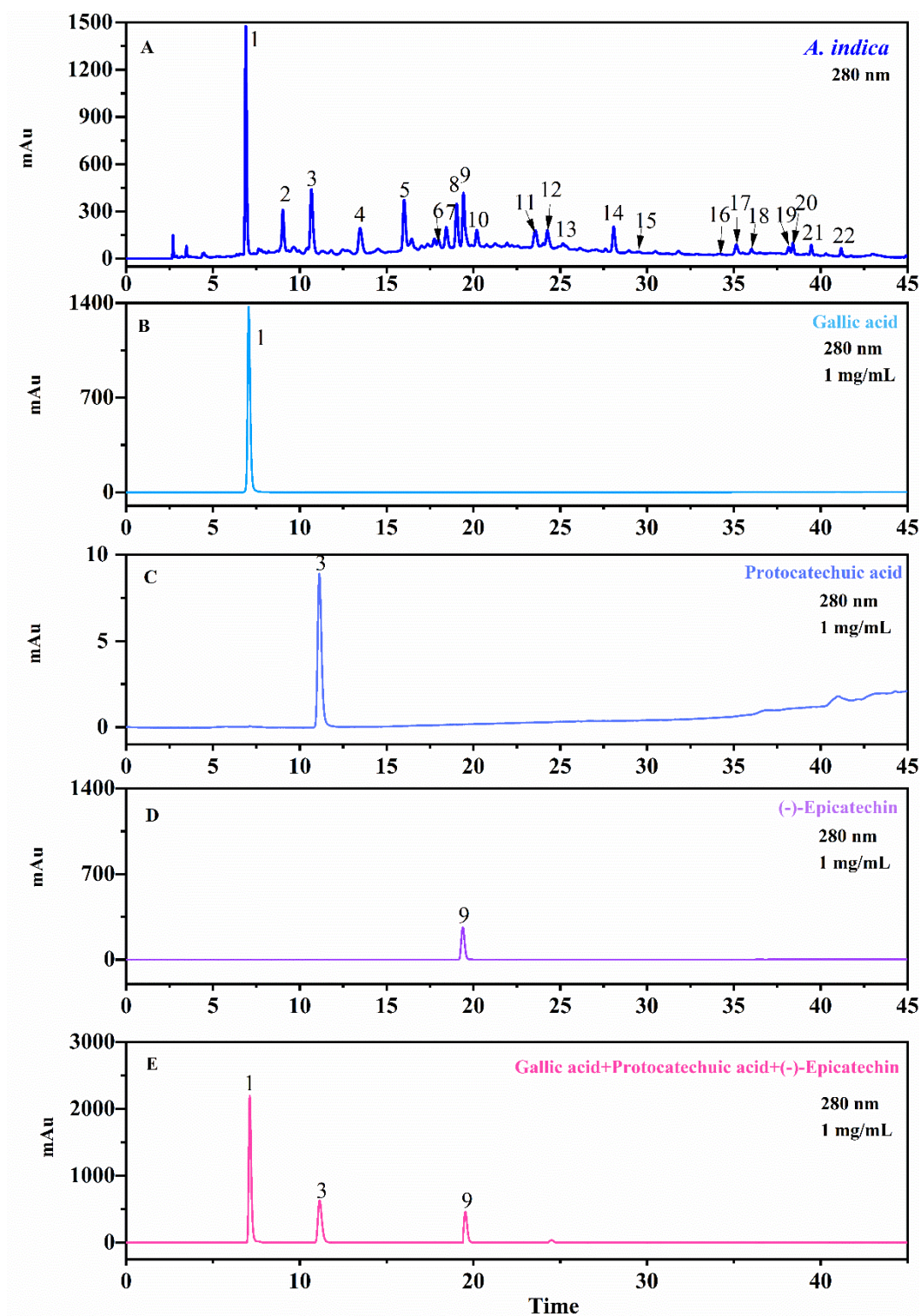


Figure S2. The HPLC of the potential ligands of SOD. A: *A. indica*; B: Gallic acid; C: Protocatechuic acid; D: (-)-Epicatechin; E: Gallic acid+Protocatechuic acid+(-)-Epicatechin

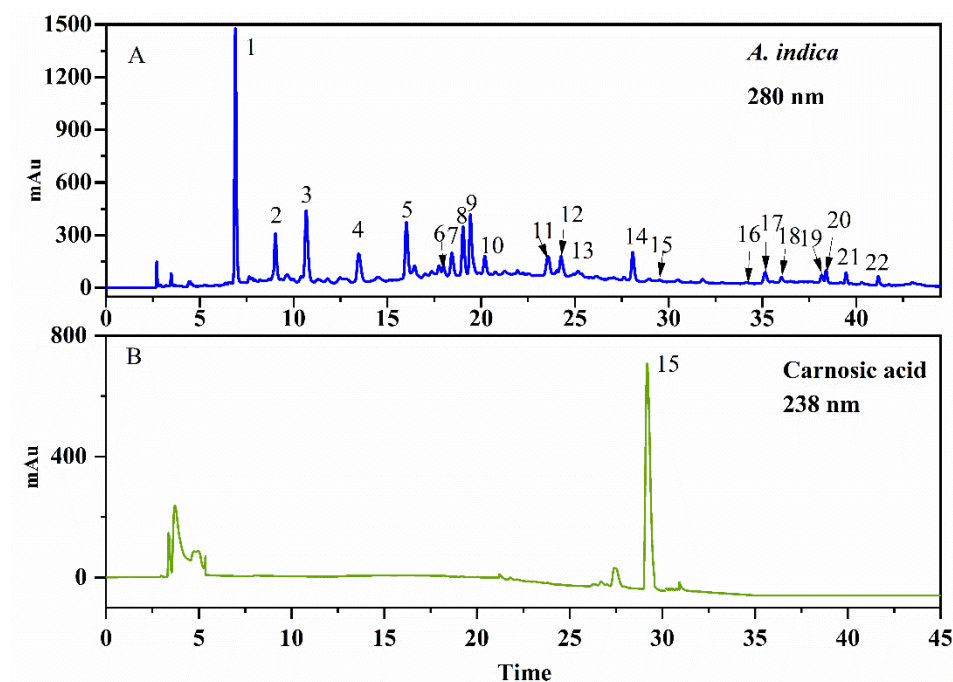


Figure S3. The HPLC of the potential ligands of XOD. A: *A. indica*; B: Carnosic acid.

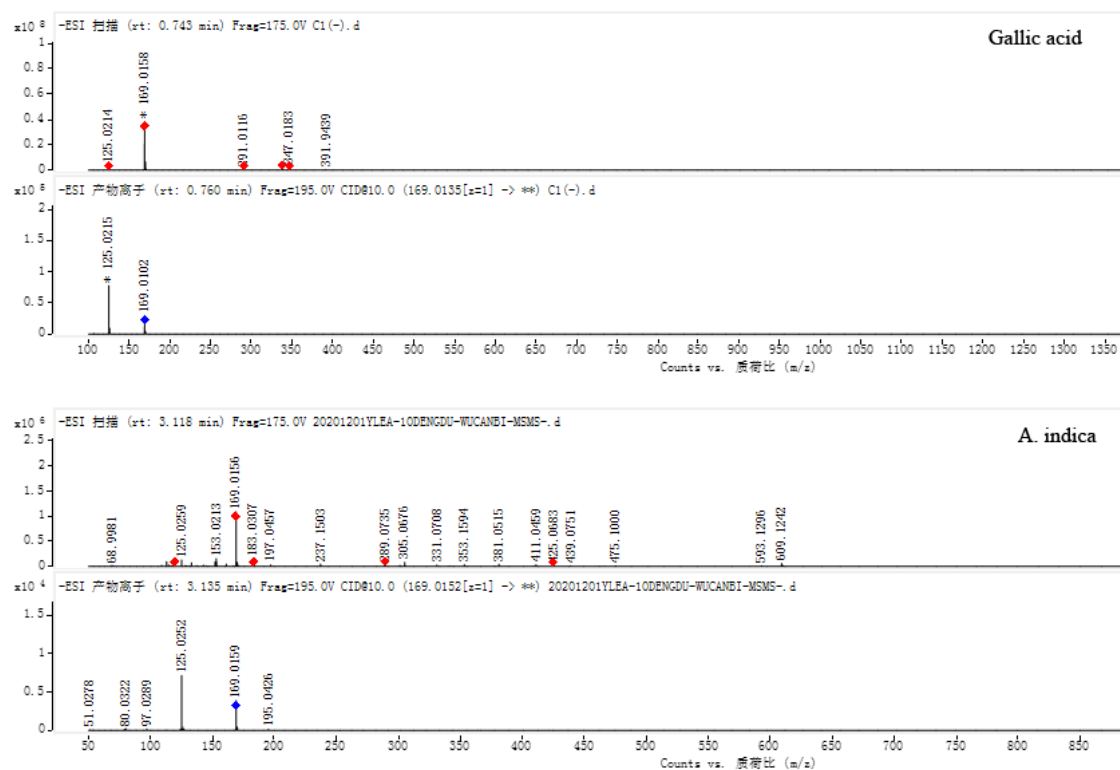


Figure S4. The mass spectrometry fragments of gallic acid in standard substance and *A. indica*.

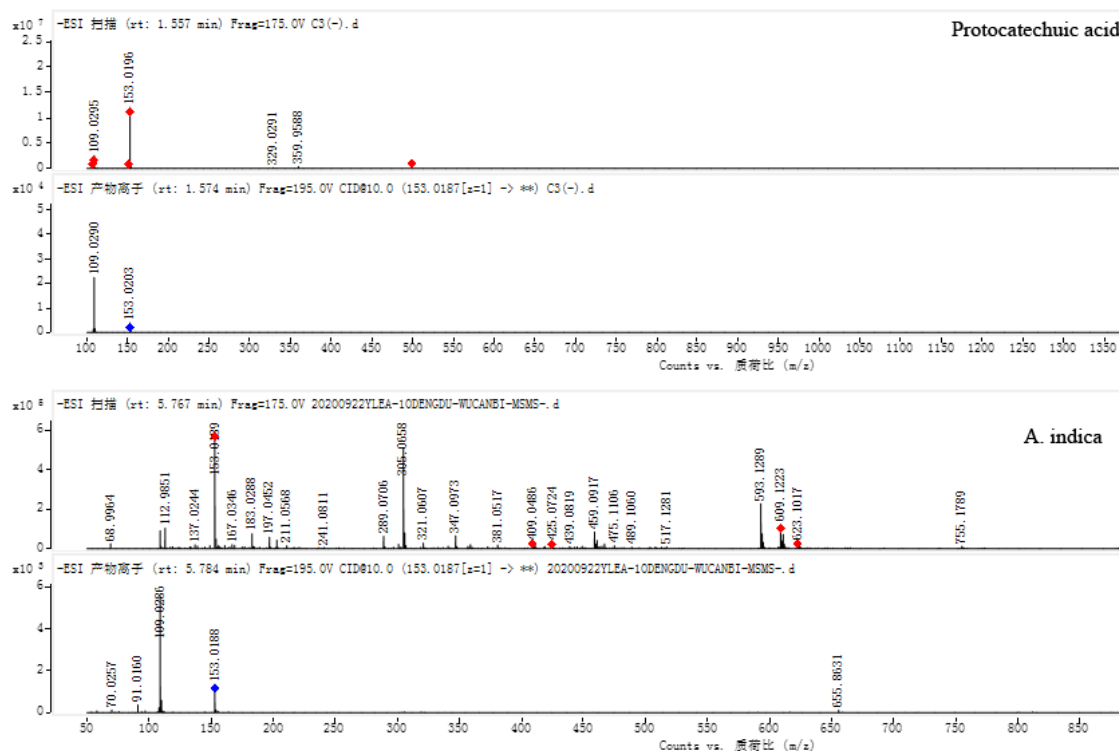


Figure S5. The mass spectrometry fragments of protocatechuic acid in standard substance and *A. indica*.

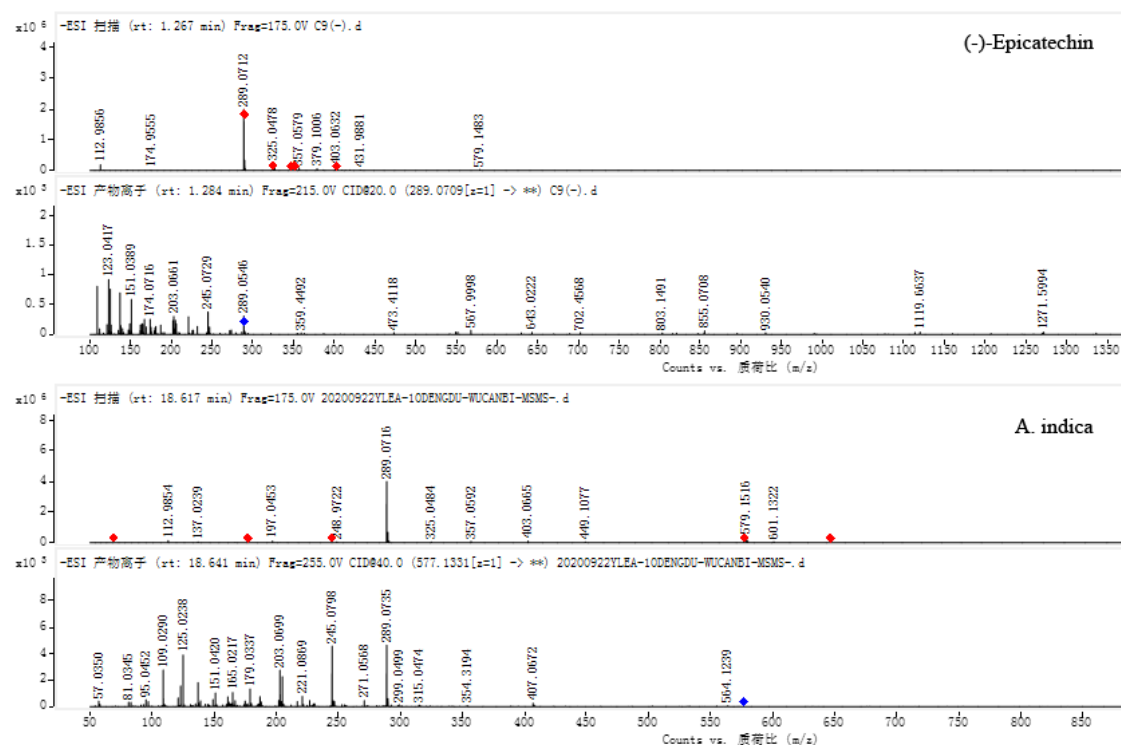


Figure S6. The mass spectrometry fragments of (-)-Epicatechin in standard substance and *A. indica*.

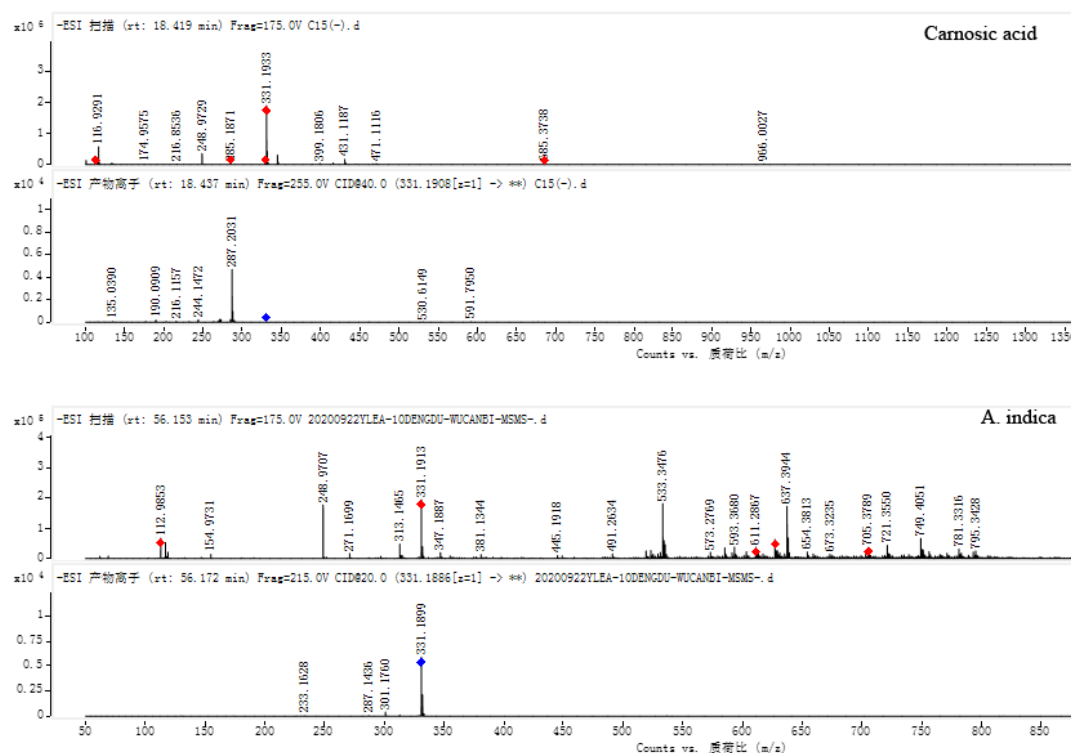


Figure S7. The mass spectrometry fragments of carnosic acid in standard substance and *A. indica*.