Metrological aspects of a gas-phase DFT/B3LYP quantum-chemical approach to prioritize radical scavenging activity among a group of olive oil phenols

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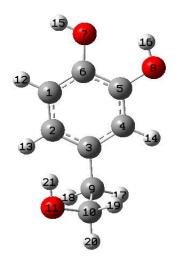


Figure S1. Atom numbering in hydroxytyrosol structure

R_5 R_4 R_3					
No.	Hydroxybenzoic acid	Substitution pattern			
		R_2	R ₃	R ₄	R ₅
1	4-Hydroxy-benzoic acid	Н	Н	ОН	Н
2	3-Hydroxy-benzoic acid	Н	ОН	Н	Н
3	4-Hydroxy-3-methoxy-benzoic acid	Н	OCH ₃	ОН	Н
4	4-Hydroxy, 3,5-dimethoxy-benzoic acid	Н	OCH ₃	ОН	OCH ₃
5	3,4-Dihydroxy-benzoic acid	Н	ОН	ОН	Н
6	2,5-Dihydroxy-benzoic acid	ОН	Н	Н	ОН
7	3,4,5,-Trihydroxy-benzoic acid	Н	ОН	ОН	ОН

Figure S2. Structure of test group-2 phenols

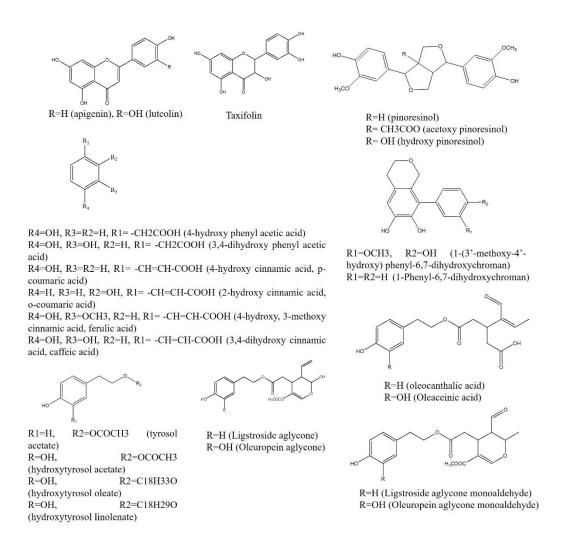


Figure S3. Structure of diverse virgin olive oil phenols under study