

Supplementary Table 1 Studied compounds in Quercus acorns and standards for analysis. CAS numbers, purity, and suppliers.

Name	Formula	Purity (%)	Company	CAS
Polyphenols				
Gallic acid	C ₇ H ₆ O ₅	99.9	^a SIGMA	149-91-7
Procyanidin B1	C ₃₀ H ₂₆ O ₁₂	96.7	^b EXTRAS	20315-25-7
Procyanidin B2	C ₃₀ H ₂₆ O ₁₂	98.5	^b EXTRAS	29106-49-8
Procyanidin C1	C ₄₅ H ₃₈ O ₁₈	99.8	^c PURIFY	37064-30-5
Catechin	C ₁₅ H ₁₄ O ₆	98.0	^a SIGMA	18829-70-4
1,3,6-trigalloylglucose	C ₂₇ H ₂₄ O ₁₈	97.5	^c PURIFY	18483-17-5
Procyanidin A2	C ₃₀ H ₂₄ O ₁₂	99.9	^a SIGMA	41743-41-3
1,2,3,6-tetragalloylglucose	C ₃₄ H ₂₈ O ₂₂	98.0	^c PURIFY	79886-50-3
Quercetin-3-glucoside	C ₂₁ H ₂₀ O ₁₂	98.0	^a SIGMA	21637-25-2
Astragalin	C ₂₁ H ₂₀ O ₁₁	99.9	^c PURIFY	480-10-4
Quercetin	C ₁₅ H ₁₀ O ₇	96.0	^a SIGMA	117-39-5
Ellagic acid	C ₁₄ H ₆ O ₈	99.9	^a SIGMA	476-66-4
Other standards				
Folin reagent	C ₁₀ H ₅ NaO ₅ S	-	^a SIGMA	521-24-4
DPPH	C ₁₈ H ₁₂ N ₅ O ₆	99.2	^d TCI	1898-66-4
ABTS	C ₁₈ H ₁₈ N ₄ O ₆ S ₄	99.0	^e GLEN	30931-67-0
Potassium persulfate	K ₂ S ₂ O ₈	97.5	^e GLEN	7727-21-1
Trolox	C ₁₄ H ₁₈ O ₄	98.5	^a SIGMA	53188-07-1
Sodium carbonate	Na ₂ CO ₃	99.7	^f PANREAC	497-19-8

^aSigma Aldrich GmbH (Steinheim, Germany), ^bExtrasynthese (Genay, France), ^cBiopurify Phytochemicals (Chengdu, China), ^dTCI (Tokyo Chemical Industry) (Tokyo, Japan), ^eGlentham Life Sciences (Corsham, United Kingdom), ^fPanreac AppliChem (Barcelona, Spain).