



Research article

Molecular docking and biochemical insights into the pro-apoptotic cytotoxicity of *Breonadia salicina*

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Supplementary

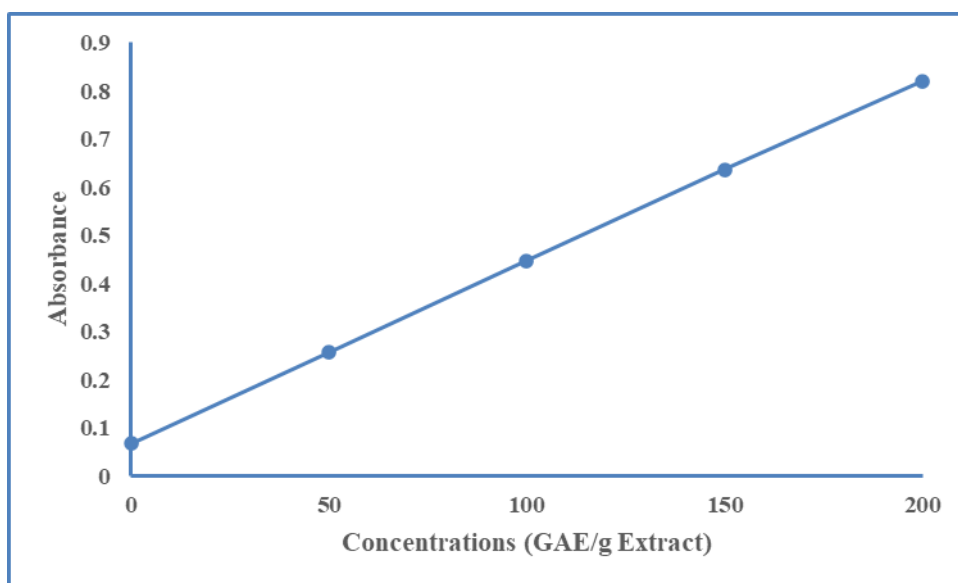


Figure 1. Calibration curve for the spectrophotometric quantification of total phenolic content, expressed as gallic acid equivalents (GAE).

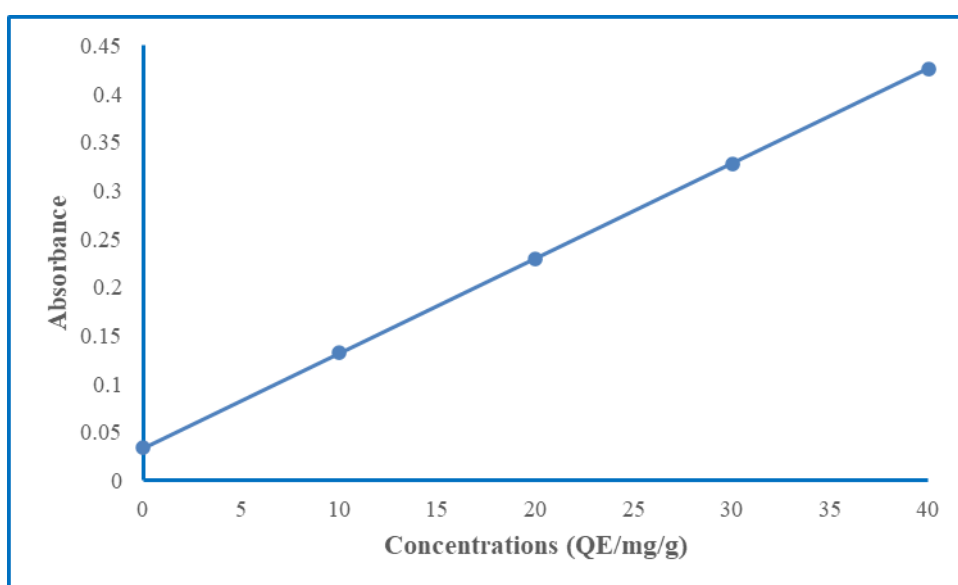
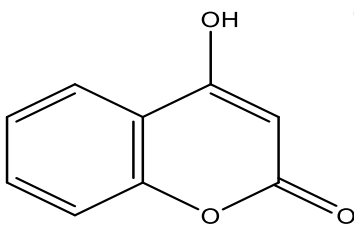
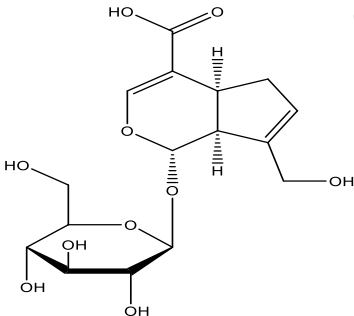
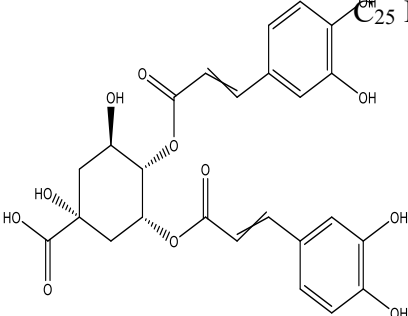
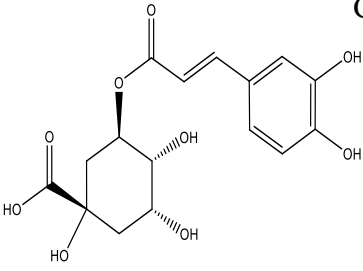
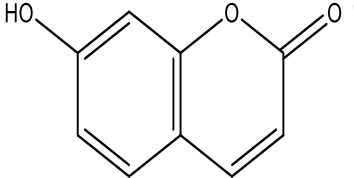
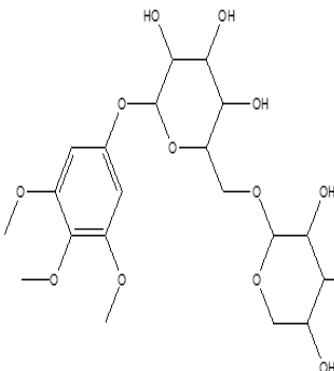
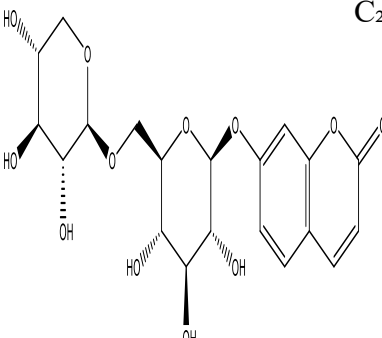
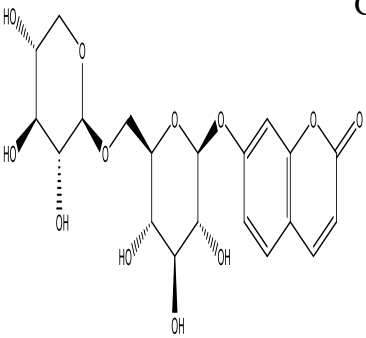


Figure 2. Calibration curve for the spectrophotometric quantification of total flavonoid content, expressed as Quercetin Equivalents milligram per gram (QE/mg/g).

Table 1. Chemical compounds of the Root extract of *Breonadia salicina*.

S/N	Structure of the compound	Molecular formula	Name of the compound	Molecular weight	RT/ min
1.		C ₉ H ₆ O ₃	4-Hydroxycoumarin	162.0305	5.84
2.		C ₁₆ H ₂₂ O ₁₀	Geniposidic acid	374.1210	3.75
3.		C ₂₅ H ₂₄ O ₁₂	4,5-Dicaffeoylquinic acid	516.1264	11.82
4.		C ₁₆ H ₁₈ O ₉	Chlorogenic acid	354.0949	4.12
5.		C ₉ H ₆ O ₃	7-Hydroxycoumarin	162.0314	5.87

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S/N	Structure of the compound	Molecular formula	Name of the compound	Molecular weight	RT/ min
6.		$C_{20}H_{30}O_{13}$	3,4,5-Trimethoxyphenyl-6-O-pentopyranosyl- β -D-glucopyranoside	500.1503	3.97
7.		$C_{20}H_{24}O_{12}$	2-Oxo-2H-chromen-7-yl-6-O- β -xylopyranosyl- β -D-glucopyranoside	456.4 g/mol.	3.58
8.		$C_{36}H_{58}O_{11}$	1-O-[2 α ,3 β ,5 ξ ,9 ξ ,18 ξ ,19 α)-2,3,19,23-Tetrahydroxy-28-oxoolean-12-en-28-yl]- β -D-glucopyranose	666.8 g/mol	3.61



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