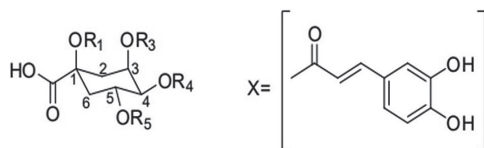


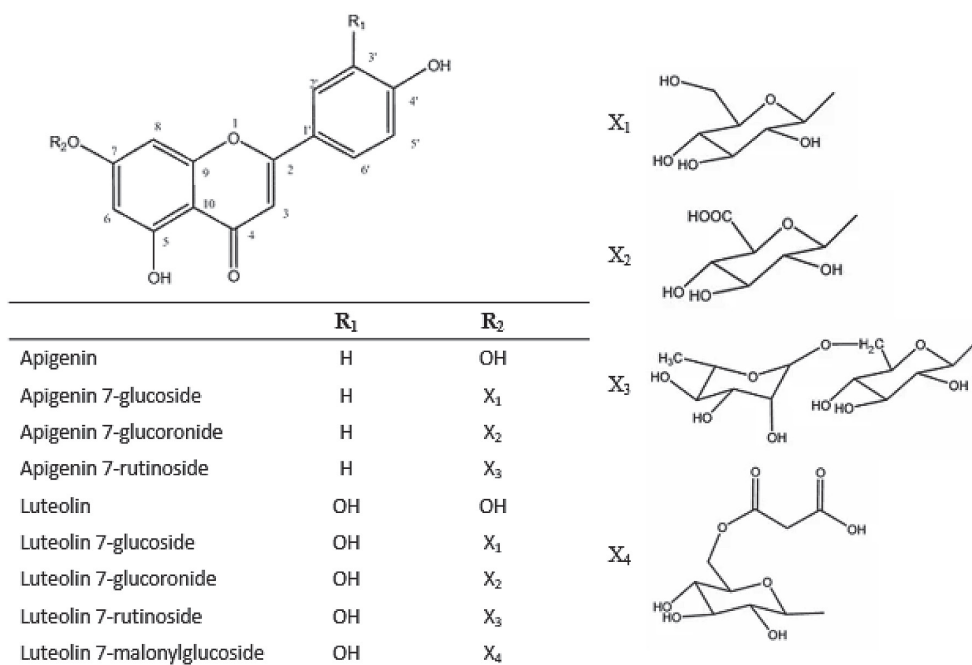
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- 1-O-Caffeoylquinic acid: R1=X; R3=H; R4=H; R5=H  
 3-O-Caffeoylquinic acid: R1=H; R3=X; R4=H; R5=H  
 4-O-Caffeoylquinic acid: R1=H; R3=H; R4=X; R5=H  
 5-O-Caffeoylquinic acid: R1=H; R3=H; R4=H; R5=X  
 1,3-O-Dicaffeoylquinic acid: R1=X; R3=X; R4=H; R5=H  
 1,4-O-Dicaffeoylquinic acid: R1=X; R3=H; R4=X; R5=H  
 1,5-O-Dicaffeoylquinic acid: R1=X; R3=H; R4=H; R5=X  
 3,4-O-Dicaffeoylquinic acid: R1=H; R3=X; R4=X; R5=H  
 3,5-O-Dicaffeoylquinic acid: R1=H; R3=X; R4=H; R5=X  
 4,5-O-Dicaffeoylquinic acid: R1=H; R3=H; R4=X; R5=X

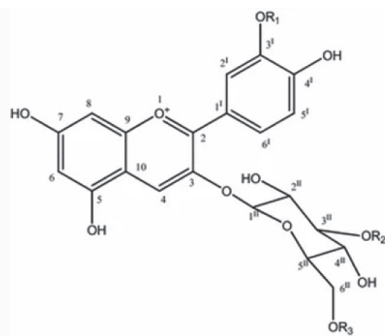
**Fig. S1.** Chemical structures of caffeoylquinic acid derivatives in artichoke. Source: Adapted from Lattanzio *et al.* (10)

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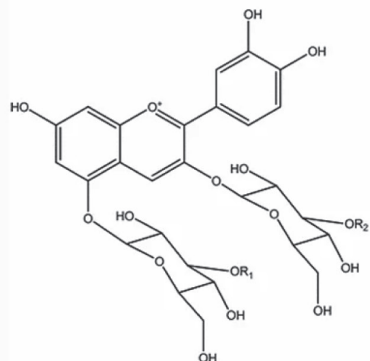


**Fig. S2.** Chemical structures of the most important flavonoids and glycosides in artichoke. Source: Adapted from Lattanzio *et al.* (10)

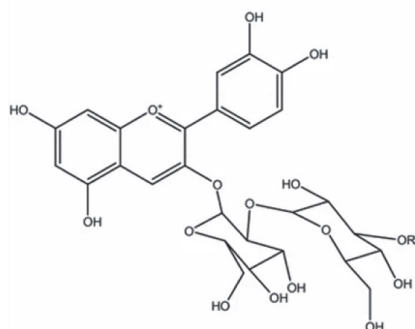
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	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>
Cyanidin 3-O-β-glucoside	H	H	H
Cyanidin 3-(3''-malonyl) glucoside	H	COCH <sub>2</sub> COOH	H
Cyanidin 3-(6''-malonyl) glucoside	H	H	COCH <sub>2</sub> COOH
Peonidin 3-O-β-glucoside	CH <sub>3</sub>	H	H
Peonidin 3-(6''-malonyl) glucoside	CH <sub>3</sub>	H	COCH <sub>2</sub> COOH



	R <sub>1</sub>	R <sub>2</sub>
Cyanidin 3,5-diglucoside	H	H
Cyanidin 3,5-malonyldiglucoside	COCH <sub>2</sub> COOH	COCH <sub>2</sub> COOH



	R <sub>1</sub>
Cyanidin 3-O-β-sophoroside	H
Cyanidin 3-O-β-malonylsophoroside	COCH <sub>2</sub> COOH

**Fig. S3.** Chemical structure of anthocyanins and glycosides in artichoke. Source: Adapted from Lattanzio *et al.* (10)