

Distribution of Quinic Acid Derivatives and Other Phenolic Compounds in Brazilian Propolis

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The quinic acid derivatives (including 4-feruoyl quinic and 5-feruoyl quinic acids characterized for first time in propolis samples) and other phenolic compounds were quantified in thirteen Brazilian propolis samples by HPLC analysis. For chemometrical analysis, the distribution of quinic acid derivatives and other phenolic compounds were considered.

The results suggest that the Brazilian propolis with floral origin from *Citrus* sp. have the highest concentration of the quinic acid derivatives (between 11.0 to 58.4 mg/mg of the dried crude hydroalcoholic extract) and therefore would probably show a more effective hepatoprotective activity.

Key words: Chlorogenic Acid, Phenolic Compounds, Brazilian Propolis