

# Nutraceutical prospects of phenolic compounds from desugared sugarcane extract: an study of its bioaccessibility and bioactivity

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Abstract



## Results and discussion

Proximate composition, phytochemical profiling and phenolic acid quantification

$$\text{Bioaccessibility Index (\%)} = \frac{\text{TPC}_{\text{gastric-intestinal-freesoluble}}}{\text{TPC}_{\text{undigested}}} \times 100 \quad (3)$$

### Antibacterial activity

### Alpha-glucosidase inhibition activity

Table 1.

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$$\text{-glucosidase inhibition activity (\%)} = \left[ 1 - \left( \frac{A_{\text{sample}}}{A_{\text{blank}}} \right) \right] \times 100 \quad (4)$$

### Statistical analysis

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μ

μ

μ

μ

Antioxidant activity



Antibacterial activity



16

17

18

19

20

21

22

23

24