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Detailed qualitative analysis of honeybush tea (*Cyclopia* spp.) volatiles by comprehensive two-dimensional gas chromatography coupled to time-of-flight mass spectrometry and relation with sensory data

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Highlights

- HS-SPME-GC×GC-TOF-MS was used for detailed analysis of honeybush tea volatiles.
- 287 compounds were identified, 101 using authentic standards.
- Tentative identification of 147 compounds for the first time in honeybush tea.
- Likely contribution of (E)-cinnamaldehyde to *C. maculata* aroma elucidated.

Abstract

The volatile composition of honeybush (*Cyclopia*) species was studied by comprehensive two-dimensional gas chromatography coupled to time-of-flight mass

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