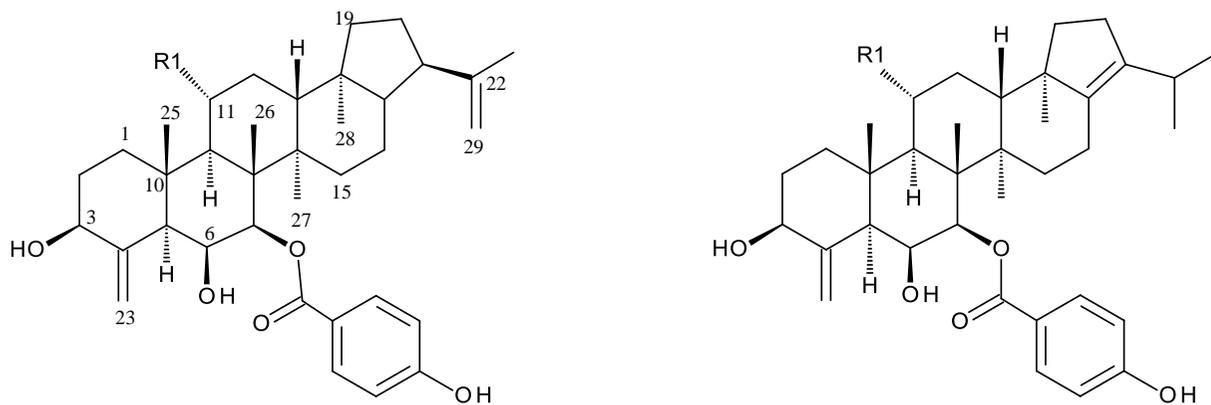


Fig 1. *Nor*-hopanes isolated from *Zanha africana* root-bark (see text for detail).

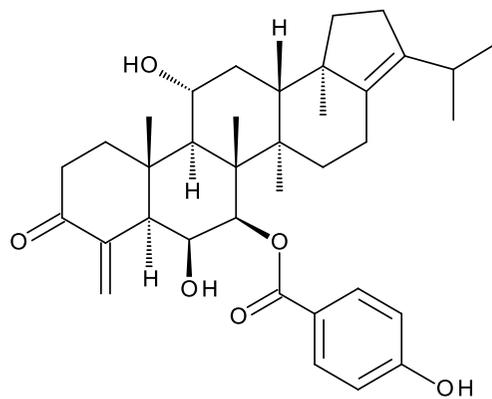
Fig 2 Relationship between bruchid mortality and number of eggs laid per female when exposed for six days to crude extracts, isolated *nor*-hopane compounds and a saponin mixture (Sapmix) from *Zanha africana* root bark.

Fig 1.



- 1 R₁ = 1
- 2 R₁ = OH
- 3 R₁ = OAc
- 4 R₁ = O-(4-hydroxybenzoyl)

- 5 R₁ = H
- 6 R₁ = OH



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Fig 2.

