

Welwitschiilactone A, B and C, three new 30-norfriedelane triterpenes from the roots of *Caloncoba welwitschii* (Oliv.) Gilg (Achariaceae),

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1 . Introduction

Caloncoba welwitschii belongs to the genus *Calonconba* (Achariaceae) which consists of about 20 species of trees and shrubs located in Africa tropical climate zones (Douanla et al., 2018). In traditional medicine, *the plant* is used, in the treatment of headaches, dermal infection, leprosy, pustular eruption (Burkill, 1994; Raponder-walker and sillans, 1961). Diverse secondary metabolites have been reported from the genus *Caloncoba* such as triterpenes, flavonoids and phytosterols (Douanla et al., 2018) .

2. Experimental section

2.1. Collect and identification

Roots of *C. welwitschii*. were collected from Yaoundé in the center region of Cameroon in February, 2016, and identified by Mr. Victor Nana, a botanist at the National Herbarium, Yaoundé, Cameroon, where a voucher specimen was deposited under ref. 45385/HNC.



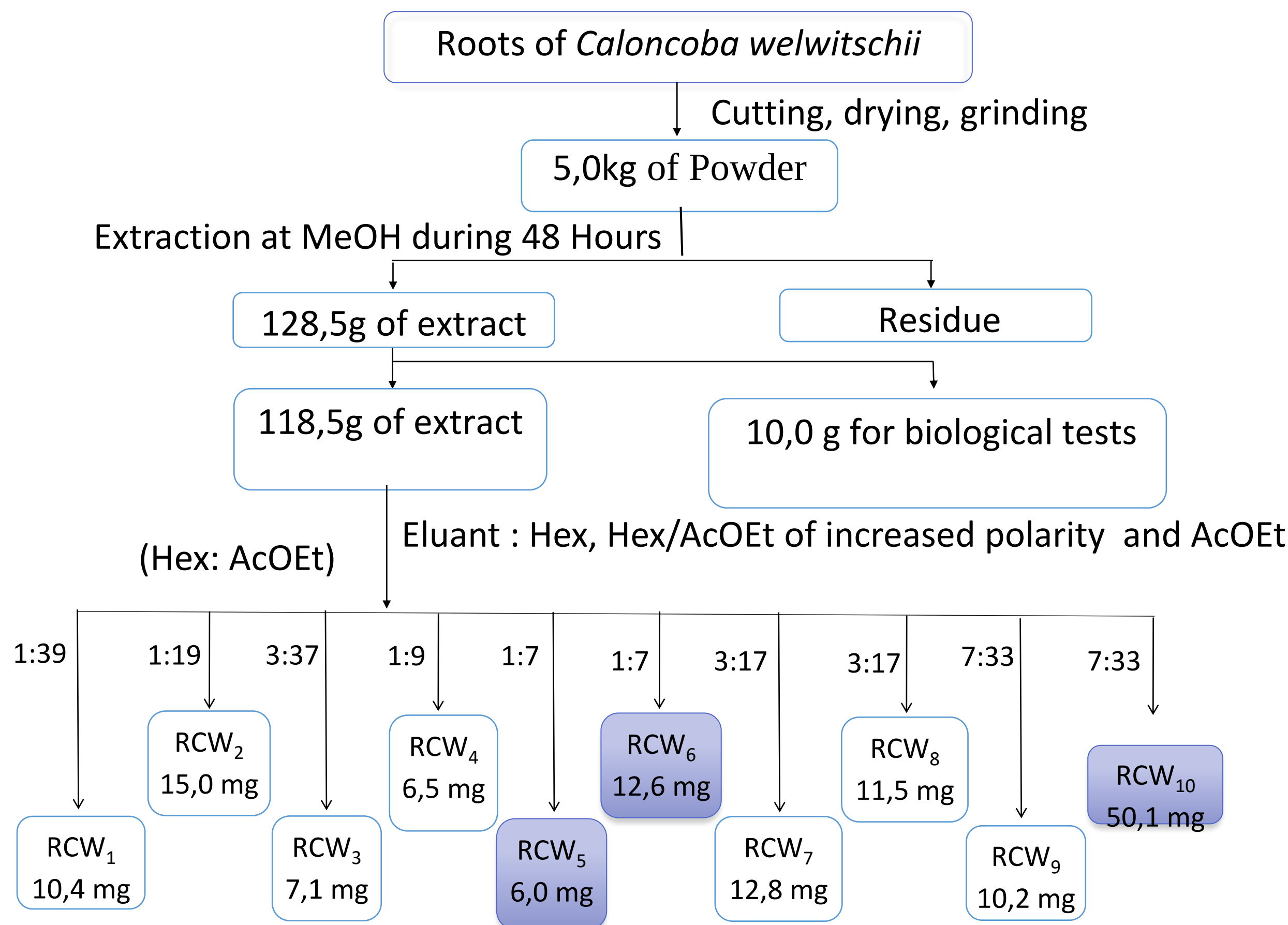
Figure 1: leaves of *C. welwitschii*

2.2 . Extraction and isolation

The extraction and isolation procedure of *C. welwiitschii* compounds is resumed in the scheme 1 below.



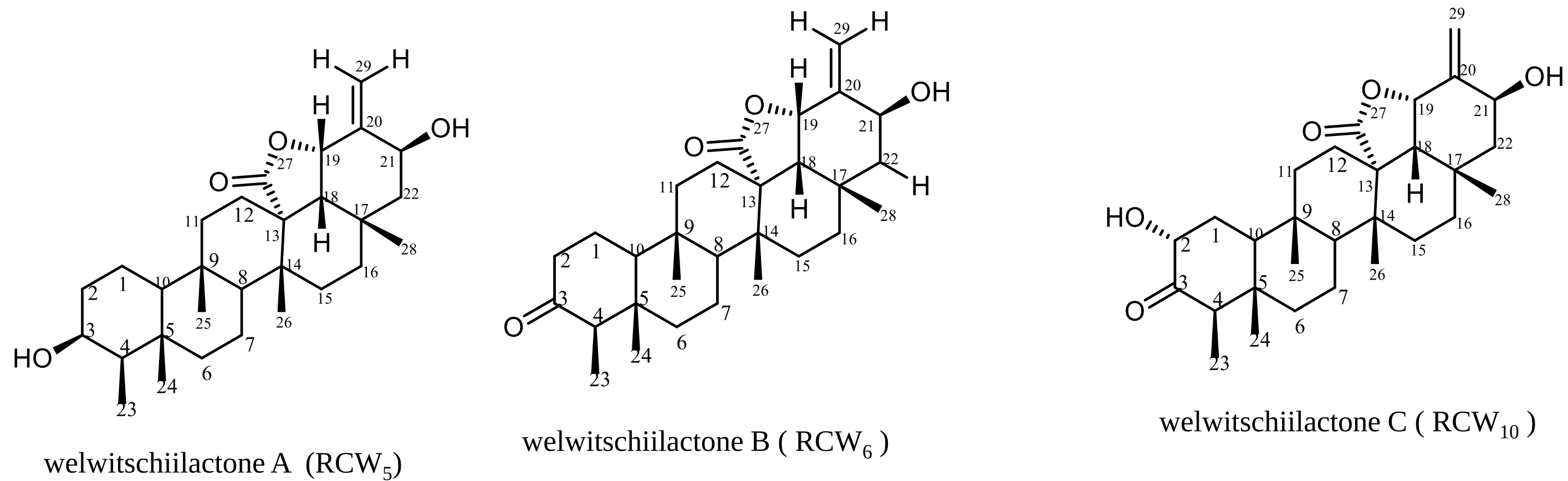
Figure2: Rotavapor and silica gel column chromatography



Scheme 1: Protocol of extraction and isolation of *C. welwitschii* roots compounds

3. Results and discussion

Triterpenes are a family of compounds which exhibit antiplasmodial, anti-tumor, anti-cancer, anti-inflammatory and anti-HIV activities (Mahato et al. 1992)



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