

**P40 Structure Elucidation of Analgesic Constituents
 from Yerba Buena Leaves**

Arlyn P. Canlas

Natural Sciences Research Institute
University of the Philippines
Diliman, Quezon City, Philippines

Three analgesic constituents: FB2c, FB6Fc, and FB10E5c from the hexane extract of *Mentha cordifolia* Opiz. (Yerba buena) leaves were isolated by solvent partitioning and sequential repeated vacuum liquid chromatography.

Spectral analysis of the three constituents show that FB2c is β -sitosterol; FB10E5c is β -sitosteryl- β -D-glucopyranoside; and FB6Fc is a cis-8-pentadecenyl with lactone variety.

At a dosage of 100 mg/kg mouse, isolates FB2c, FB6Fc, and FB10E5c decreased the number of squirms induced by acetic acid by 70.0 %, 67.3 %, and 73.0 %, respectively.