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(54) Title: METHODS OF USING EMU OIL AND ACTIVE FRACTIONS THEREOF AS AN INSECT REPELLENT

(57) Abstract

This invention provides a method for repelling biting insects such as mosquitoes by topically applying to the skin of a subject emu oil, fractions of emu oil obtained by flash chromatography or a composition comprising emu oil and citronella. Also provided are methods for repelling biting insects by topically applying diluted fractions of emu oil. The invention also provides a compound useful in repelling biting insects having the NMR spectrum of Figure 3, that is ultraviolet light sensitive and is reactive to vanillin/sulfuric acid. Also provided are compounds useful in repelling biting insects having the NMR spectrum of Figure 4, that is not ultraviolet light sensitive and is not reactive to vanillin/sulfuric acid. A composition for repelling biting insects comprising emu oil and citronella is further provided.