

PP49. NINE NEW PIPERIDINE ALKALOIDS FROM ANACYCLUS PYRETHRUM

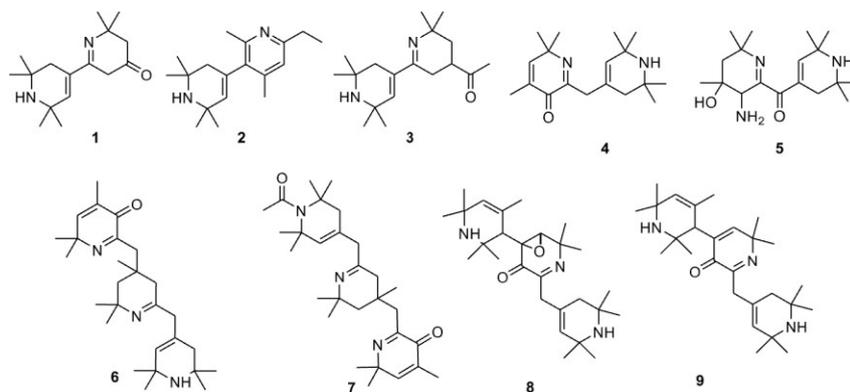
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The root of *Anacyclus pyrethrum* (Chinese name: "Anaqigen") that possesses very important medicine value in traditional medicine is widely used to treat impotence, facial paralysis, and tremor in traditional Chinese medicine in northwest China, while to treat epilepsy, rheumatism, cephalgia, paralysis, and hemiplegia in Ayurvedic ("Aaqarqarhaa" in Ayurveda) and Unani medicine ("Aaqarqarhaa" in Unani). Anethines A-I (1-9), nine new piperidine alkaloids, were obtained from the root of *Anacyclus pyrethrum* (L.) DC. Their structures were determined via spectroscopic analyses (NMR, UV, IR), HRESIMS, and electronic circular dichroism (ECD) calculations. Anethines A-E (1-5) consists of two piperidine rings connected directly or through a carbon atom. Anethines F-I (6-9) contains three piperidine rings.



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