

Studies on the Chemical Constituents of *Tinospora crispa*

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Tinospora crispa (Lour.) Merr. (Family Menispermaceae) is distributed in Xishuangbanna, Yunnan, China. The extract of *Tinospora crispa* stems has been taken orally by Type 2 diabetic patients to treat hyperglycaemia in Malaysia and Thailand. The methanol extract of this species showed a dosage dependent stimulation. Ten compounds were isolated from this plant including three steroids: β -sitosterol (1), stigmasterol (2), Makisteron C (3), one flavonoid: apigenin (4), three amines: *N-cis*-feruloyltyramine(5), *N-trans*-feruloyltyramine (6), *N-trans*-caffeoyltyramine (7), three alkaloids: *N*-formylanonaine (8), *N*-formylnornuciferine (9), *N*-acetylnornuciferine (10). Compound (10) was a known compound isolated from this plant for the first time. The structures of these compounds were established by spectroscopic analysis and the biologic activities are currently under investigation.