Two new ceramides have been isolated from *Tanacetum artemisioides*, besides the known constituents β-sitosterol and β-sitosterol glycoside. The structure elucidation of the isolated new compounds was based primarily on 1D and 2D NMR analysis, including COSY, HMQC, HMBC correlations. The compound 1 and 2 showed inhibitory activity against acetylcholinesterase.

Key words: *Tanacetum artemisioides*, Compositae, Ceramides, Acetylcholinesterase