

Chemical investigation of ethanolic extracts of the leaves and stems of *Baccharis illinita* resulted in the isolation and identification of retusin, quercetin-3, 7, 4'-trimethyl ether, aromadendrin-7-methyl ether, 3-(4-hydroxyphenyl)-2-propenoic acid (*E* and *Z*) hexacosyl ester, 3-(3, 4-dihydroxyphenyl)-2-propenoic acid (*E*) hexacosyl ester and hexacosanoyl acid acetyl ester (all new for this genus), together with apigenin-7, 4'-dimethyl ether, kaempferol-3, 7, 4'-trimethyl ether, kaempferol-7,4'-dimethyl ether, *p*-coumaric acid, hexacosanol, and stigmasta-5, 22-dien-3-ol (3 β , 22*E*, 24*S*) hexadecanoyl. Their structures were assigned by comparison of the obtained spectroscopic data with those in the literature. Extracts of the flowers, roots and stems demonstrated marked anticoagulant activity, but only the extract of the stems had any significant effect on platelet aggregation.