A new nuatigenin-type steroidal saponin, multifidoside (2), was isolated from the aerial parts of *Veronica fuhsii* and *V. multifida* and its structure was identified as 3-O-[[α-L-rhamnopyranosyl(1→2)glu]-[β-D-glucopyranosyl(1→4)rha]-α-L-rhamnopyranosyl(1→4glu)]-β-D-glucopyranosylnuatigenin 26-O-[β-D-glucopyranoside. Additionally, a known steroidal saponoside, aculeatiside A (1), from *V. fuhsii*, a phenylethanoid glycoside, verpectoside A (3), and a flavon glycoside, isoscutellarein 7-O-(2''-O-6''-O-acetyl-β-D-allopyranosyl-β-D-glucopyranoside) (4) from *V. multifida* were isolated.