Studie om farmakognosi og kjemiske komponenter i den uiguriske medisinen Suzap

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Objective: To search for pharmacognosy, chemical constituents of Uygur traditional medicine herbs of Euphorbia sororia A. Methods: pharmacognosy of this herb identified by microscope. Compounds were extracted by back streaming method, isolated by means of column chromato- graphy over normal phase silica gel and Sephadex LH-20, recrystallization. Structures were identified by spectroscopic method including 1H-NMR, 13C-NMR and chemical method. Results: Through with the characters of stone, leaf and powder we can identified that there are more spiral vessel, pollen and Hesperidin crystal, The stoma is anomocytic type. We have isolated nine compounds, They were determined as Astragalin (IV), Kampferol-3-O-gala ctoside(V), Rutin(VI), 24-Met heylenecycloartanol(I), Heptacosanol (IX),Octacosa- nol(II), Ethyloctadecanoate(III),β-Sitosterol(VII),β -sitosterol-3-O- glucoside(VIII).

Conclusions: 24-Metheylenecycloartanol(I), Heptacosanol (IX) , Octacosanol(II), Ethyloctadecanoate(III), are obtained from the first time in Euphorbia sororia A. of XinJiang.

Key Words: Euphorbia sororia A.; pharmacognosy; chemical constituents