

A FLAVONOID BIOSIDE OF OXYTROPIS STROBILACEAE

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From the epigeal part of Oxytropis strobilaceae Bge. collected in June, 1968, in the flowering phase (Mongolian Peoples' Republic, environs of Ulan-Bator) we have isolated a yellow crystalline substance giving positive reactions for flavonoids.

In the cyanidin test it forms a crimson-red pigment not extracted by octanol, which shows the glycoside nature of the flavonoid compound.

The results of a study of acid, alkaline, and enzymatic hydrolyses, the UV spectra and specific rotation of the glycoside, and the alkaline degradation of the aglycone have shown that the isolated glycoside is rutin, quercetin 3-O- β -D-glucopyranosyl-6- β -L-rhamnopyranoside.

A comparative chromatographic investigation in the presence of a standard sample of rutin also showed their complete identity.

The amount of rutin in the epigeal part of Oxytropis strobilaceae Bge. is 5.42%.

REFERENCES

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