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#### 论文

黄花开口箭(Tupistra aurantiaca Wall.)的强心作用

邓士贤:张子昭:李存德:何功倍:王懋德:王德成:莫云强

昆明医学院药理学教研组;\*昆明制药厂

摘要:

用黄花开口箭根茎制成酊剂,将所含乙醇在水浴锅上蒸发后,其残渣对Legals及Keller-Kiliani应呈阳性,证明为强心甙类.酊剂蒸发乙醇后用蒸馏水溶解,过滤后所得的水溶液,通过在位蛙心及兔心、猫心电图及离体豚鼠心实验,证明有强心作用,其强心作用特点类似洋地黄.按中国药典鸽法测定其效价,折合生药为207.14±13.07毫克/公斤(标准差).

关键词:

CARDIOTONIC ACTION OF TUPISTRA AURANTIACA WALL.

DENG SHI-HSIEN CHANG TZE-CHAO LI CUN-TE HO GONG-BEI WANG MAO-TE WANG TE-CHENG MAO YUN-CHANG

### Abstract:

A tincture was prepared from the roots of Tupistra aurantiaca Wall (Fam. Liliaceae), that grew wild in the west part of Yunnan Province in China; after alcohol was removed by vaporization, it was dissolved in distilled water at a suitable concentration, and then used in experiments. In the course of all experiments, the authors used Tinctura Digitalis as control. The action of the drug was demonstrated to be as follows: 1. After removal of alcohol from Tinctura of Tupistra aurantiaca, the residue gave positive reactions with Legal and Keller-Kiliani tests. 2. By experiments on frogs' and rabbits' hearts *in situ*, isolated guinea pigs' hearts, and EKG on cats, there is evidence that the characteristics of cardiotonic action of the drug and those of Digitalis are alike. 3. By experiments on rabbits' hearts *in situ* and isolated guinea pigs' hearts, it was found that the phases of action, for instance, time of onset of cardiotonic action, maxi- mal effect, regression, and disappearance, of these two drugs were similar. 4. The pigeon units of the roots of Tupistra aurantiaca and the leaves of Digitalis according to the Chinese Pharmacopeia was found to be 207.14±13.07mg/kg and 101.42±5.19mg/kg (S.D.) respectively.

### Keywords:

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