收载的高效液相色谱法，基本一致（见表1）。

3.3　本法操作简便、节省时间、不使用多种有机溶剂、结果令人满意。尤其是手动式导数光谱法能在一般仪器上测定，易于在基层单位推广应用。

参考文献

1　James EF. Reyrolds. *MARTINDALE The Extra Pharmacopoeia* 29 ed. London: The pharmaceutical press. 1989; 1445
2　安登魁主编. 药物分析（第二版）. 北京：人民卫生出版社，1986；326
3　南京药学院主编. 分析化学. 北京：人民卫生出版社，1979；264
4　*USP*（XXI）. 1990；805

Use of Derivative Spectroscopic for Assay of Mazidol Tablet

Tang Shurong, Xu Chaoxia

Jiangsu Provincial Institute of Drug Control, Nanjing 210008

The present paper deals with derivative spectroscopic method used for the determination of mazidol tablet. The calibration curve was linear in the range of 5-15 μg /ml ($r=0.9997$). Recovery from tablet was 100.9%±0.85% ($CV, n=10$). The proposed method is simple and rapid without any preliminary separation. The results obtained are satisfactory both in recovery and in precision.

Key words　Derivative UV Spectroscopic; Mazidol

• *Communication* •

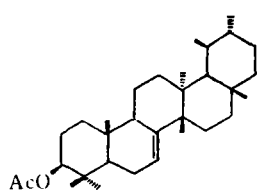
A New Triterpene from *Ixeris Sonchifolia*

Wang Zhengtao, Zhou Yongmei and Xu Guojun

Department of Pharmacognosy

A novel triterpene, bauerenyl acetate (1), along with other four compounds, namely germanicyl acetate(2), β-sitosterol(3), stigmasterol (4), and hexacosyl alcohol (5) were isolated from *Ixeris sonchifolia* (Bunge) Hance (Compositae), a herbal drug used as "Mutohui" in Jiangsu.

The crude drug, in powder, was extracted with ethanol under reflux. The extract, mixed with silica gel, was extracted with petroleum ether, chloroform, acetone and methanol successively. The petroleum ether fraction was subjected to silica gel chromatography, eluted with a cyclohexane-ethyl acetate ingredient, and the above compounds were isolated. Their structure was elucidated by means of spectroscopy. Compounds 2-5 were isolated from this plant for the first time. The dignostic spectroscopic data of bauerenyl acetate are listed below: High Mass: M^+ 468.39085 ($C_{32}H_{52}O_2$); Mass m/e(%): M^+ 468(21), 453(15.4, M^+-CH_3), 408(10.5, M^+-AcOH), 393(24, 408-CH_3), 289(99), 229(100, 289-AcOH); ^{1}HNMR(500MHz, $CDCl_3$): δ 5.34(1H, m, 7-H), 4.45(1H, dd, J=11, 3-H), 1.99(3H, s, 2'-H), 0.97, 0.93, 0.88. 0.86, 0.78, 0.70(each 3H, s, $CH_3\times 6$), 0.84(3H, d), 0.98(3H, d). ^{13}CNMR(500MHz, $CDCl_3$): δ 170.6(C-1'), 145.6(C-8), 116.4(C-7), 81.2(C-3); DEBT test: $CH_3\times 9$, $CH_2\times 9$, $CH\times 7$, $C\times 7$. IR (cm^{-1}): 1730 (-COO-), 1460 (=C=C=).



Bauerenyl acetate

Received Sep 23, 1992