

ether extract was washed with water, dried over Na_2SO_4 , and the ether distilled off, leaving a crude crystalline base from which 0.5 g. of yohimbone was obtained as colorless needles, m.p. $307\sim309^\circ$ (decomp.) (corr.), upon recrystallization from MeOH. The melting point of this base was not depressed by admixture with an authentic sample of yohimbone prepared by us from yohimbine. $[\alpha]_D^{10}$: -96.0° (50 mg. in 15 cc. pyridine, $l=1$ dm.).

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Shigehiko Sugasawa and Kitaro Mizukami: Application of Ball Reaction to Aromatic Alcohols. II.

(Pharmaceutical Institute, Medical Faculty, University of Tokyo*)

In the first paper¹⁾ we reported that several aromatic primary alcohols could be oxidized to the corresponding aldehydes by means of active manganese dioxide in a suitable solvent and expressed our views that this method may generally be applied on various aromatic alcohols.

Since that time there appeared two papers dealing with the same subject, which reported contradictory results. According to Turner²⁾ benzhydrol and xanthydrol were converted into the corresponding ketones, but benzyl alcohol and furfuryl alcohol failed to give the aldehydes. On the contrary, Harfenist, *et al.*³⁾ reported that benzyl alcohol, veratryl alcohol, and furfuryl alcohol could be successfully oxidized to the corresponding aldehydes, and so his results are on the whole the same as ours.¹⁾ The results of our further experiments are shown in the accompanying table and there has been no unsuccessful experience so far as our experiments are concerned.

TABLE⁴⁾

$\text{R-CH}_2\text{OH} \rightarrow \text{R-CHO}$ R	Solvent	Time	Temp.	Yield of Semicarbazone
1-Pyridyl	Ether	2.5 hrs.	$32\sim34^\circ$	45% (m.p. $194\sim196^\circ$)
4-Antipyril	CHCl_3	3 "	35°	83% (m.p. $221\sim223^\circ$ (decomp.))
2-Thienyl	Ether	3 "	34°	70% (m.p. $222\sim224^\circ$ (decomp.))
2-Quinolyl	"	1.5 "	33°	70% (m.p. 233°)

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* Hongo, Tokyo (菅澤重彦, 水上喜太郎).

1) This Bulletin, **2**, 341 (1954).

2) D. L. Turner: J. Am. Chem. Soc., **76**, 5175 (1954).

3) M. Harfenist, A. Bavley, W. A. Lazier: J. Org. Chem., **19**, 1608 (1954).

4) For procedure see Footnote 1).