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**CONFIDENTIAL**

To: Dr. J. L. Charles

Date: June 14, 1983

From: V. J. DeNoble

Subject: Prostration and Discrimination Tests

In previous discussions it was decided that the prostration syndrome would be the first behavioral test of CNS activity employed. Some concern arose about the ability of the prostration test to predict nicotine-like activity when compared with the discrimination test. Listed below are the entry numbers from the nicotine analogue summary charts of several compounds which have been tested for nicotine-like activity in both experimental tests along with ratings of active or inactive.

From this data, we conclude that the prostration syndrome is as good a predictor of nicotine-like activity as discrimination tests. However, quantitative comparisons will require more detailed behavioral tests.

<u>Entry Number</u>	<u>Prostration</u>	<u>Discrimination</u>
2-5	A	A
6, 8, 9, 17, 18	IA	IA
19, 21, 39, 41	A	A
42, 45, 46, 47	IA	IA
52, 61	A	A
63	IA	A
64, 65	IA	IA
68	A	A
70	IA	IA
73	A	A
74, 75, 77	IA	IA
80-83	A	A

np

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