

TABLE II
PHARMACOLOGICAL ACTIVITIES OF 4'-FLUORO-4-(1,4,5,6-TETRAHYDROAZEPINO[4,5-*b*]INDOL-3(2H)-YL)BUTYROPHENONES^a

Compd.	LD ₅₀	LRR ₅₀	Tr ₅₀	Ch ₅₀	D ₅₀	P ₅₀	FM ₅₀	Catalepsy	Ptosis	Potentiation		Antagonism				
										Ethanol	Pento-barbital	R	TE	D	<i>α</i> -Amphetamine	Apomorphine
1	316	>100	32	4	4	6	10	>25	4.0	12	14.7	23	3	4	1.8	5.6
2	562	159	18	3.5	2.5	3.9	7.9	>30	6.7	6.8	14.7	6	2.5	2.8	22.4	3.0
3	233	>200	16	2.8	0.8	5.6	5.0	>30	4.5	6.8	12.1	14	0.6	0.6	30	10
4	562	>200	>200	20	2.8	5.6	20	>30	1.6	18	100	89	1.6	1.8	1.4	17.8
5	562	>100	25	2	1.4	3	7.1	>30	5.5	5.6	14.7	>13	8	9	22.4	5.6
6	>1000	>200	25	10	0.8	4	12.6	>30	10	6.8	21.5	>13	8	9	>30	>30
7	>1000	>200	142	6	5.6	9	20	>30	21	5.6	>30	32	5.6	5.6	>30	>30
8	65	56	20	5.6	2	8	10	6.3	2.1	2.8	8.3	>13	2.2	2.2	2.0	5.6
9	56	>25	8	1.3	1.3	2.2	2.9	3.5		0.9	6.8	>13	9	7	0.16	0.1

^a See text for an explanation of the symbols. Values are ED₅₀'s expressed in mg/kg.

TABLE III
EFFECT OF 4'-FLUORO-4-(1,4,5,6-TETRAHYDROAZEPINO[4,5-*b*]INDOL-3(2H)-YL)BUTYROPHENONES
ON NORMAL BODY TEMPERATURE

Dose, mg/kg	Body temp. °C								
	1	2	3	4	5	6	7	8	9
0	35.5	35.2	35.2	37.8	35.2	35.2	35.2	35.5	35.5
3	34.7	35.2			34.8	35.3		36.0	35.1
6.3	33.9			37.1				34.4	33.0
10		31.5	31.5		32.5	33.2	35.2		
12.5	33.1			36.4				32.2	30.4
25	30.8			35.5				31.3	
30		27.9	28.0		29.9	31.3	32.1		

