

Table I. Drug identification from the single-dose opiate questionnaire for the comparison of placebo condition, with d-amphetamine and diethylpropion*

	Pla- cebo	d-Amphetamine subcutaneous			d-Amphetamine oral			Diethylpropion subcutaneous			Diethylpropion oral		
		7.5	15	30	10	20	40	150	300	600	100	200	400
Subjects†:													
Blank	63	47	43	29	63	42	31	47	30	22	51	31	11
Benzedrine (am- phetamine)	0	14	15	25	0	19	16	10	17	27	12	23	33
Cocaine	0	2	5	8	0	0	7	6	0	7	0	7	10
Marijuana	0	0	0	0	0	0	0	0	0	0	0	0	7
Alcohol	0	0	0	0	0	0	0	0	0	0	0	0	2
Thorazine	0	0	0	1	0	0	0	0	0	0	0	0	0
Miltown or Librium	0	0	0	0	0	0	0	0	2	0	0	0	0
Other	0	0	0	0	0	0	9	0	0	7	0	0	0
Observers‡:													
Blank	58	33	28	10	56	25	13	46	21	9	36	22	2
Benzedrine (am- phetamine)	5	29	22	52	6	36	50	17	42	48	26	41	61
Barbiturates	0	0	13	0	0	0	0	0	0	0	0	0	0
Dope (opiates)	0	0	0	1	1	0	0	0	0	0	1	0	0
Thorazine	0	0	0	0	0	0	0	1	0	0	0	0	0
Other	0	0	0	0	0	0	0	1	0	0	0	1	0

*Numbers represent total responses by all subjects for the first 7 observations. Maximum responses in any category are 63.

†There were no subject identifications of barbiturates, dope (opiates), or LSD.

‡There were no observer identifications of marijuana, alcohol, LSD, Miltown, or Librium.

Table II. Relative potencies and 95% confidence limits from the dose-response curves in Fig. 2 for the comparison of diethylpropion and d-amphetamine*

Parameter†	d-Amphetamine oral equivalent to 1 mg of d-amphetamine subcutaneous (mg)	Diethylpropion oral equivalent to 1 mg of d-Amphetamine oral (mg)	Diethylpropion oral equivalent to 1 mg of diethylpropion subcutaneous (mg)
Amphetamine Scale	1.1 (0.2-3.1)‡	6.6 (3.0- 75.9)§	0.49 (0.20-0.83)‡
Benzedrine Group Scale	1.4 (0.8-4.4)‡	5.5 (2.6- 43.9)§	0.53 (0.19-0.90)‡
Morphine-Benzedrine Group Scale	1.3 (0.7-3.9)‡	6.3 (2.9- 68.5)§	0.48 (0.16-0.85)‡
Subject's liking	1.4 (0.8-3.1)‡	6.4 (3.2- 35.8)§	0.58 (0.31-0.90)‡
Observer's liking	1.4 (0.8-6.8)‡	11.3 (6.6- 28.4)‡	0.50 (0.28-0.74)‡
Systolic blood pressure	1.1 (0.9-1.5)‡	10.9 (3.8-573.1)‡	0.54 (0.34-0.74)‡
Diastolic blood pressure	1.0 (0.2-6.9)§	7.7 (3.0-244.9)§	0.55 (0.26-0.89)‡
Temperature	1.2 (0.6-3.0)§	7.3 (3.0-110.7)‡	0.68 (0.38-0.94)‡
Caloric intake	0.9 (0.1-3.4)‡	6.0 (3.5- 14.8)§	0.56 (0.13-1.2)‡
Sleep—observer	0.8 (0.0-3.9)‡	—¶	—¶
Sleep—subject	1.0 (0.6-1.6)‡	11.7 (5.2- 65.9)‡	0.85 (0.45-1.48)‡

Assays were calculated such that the statistical requirements were met for validity of parallel line bioassays from a randomized block analysis of variance.

†Confidence limits in parentheses.

‡4 point bioassay.

§5 point bioassay.

¶6 point bioassay.

‡Invalid assays.