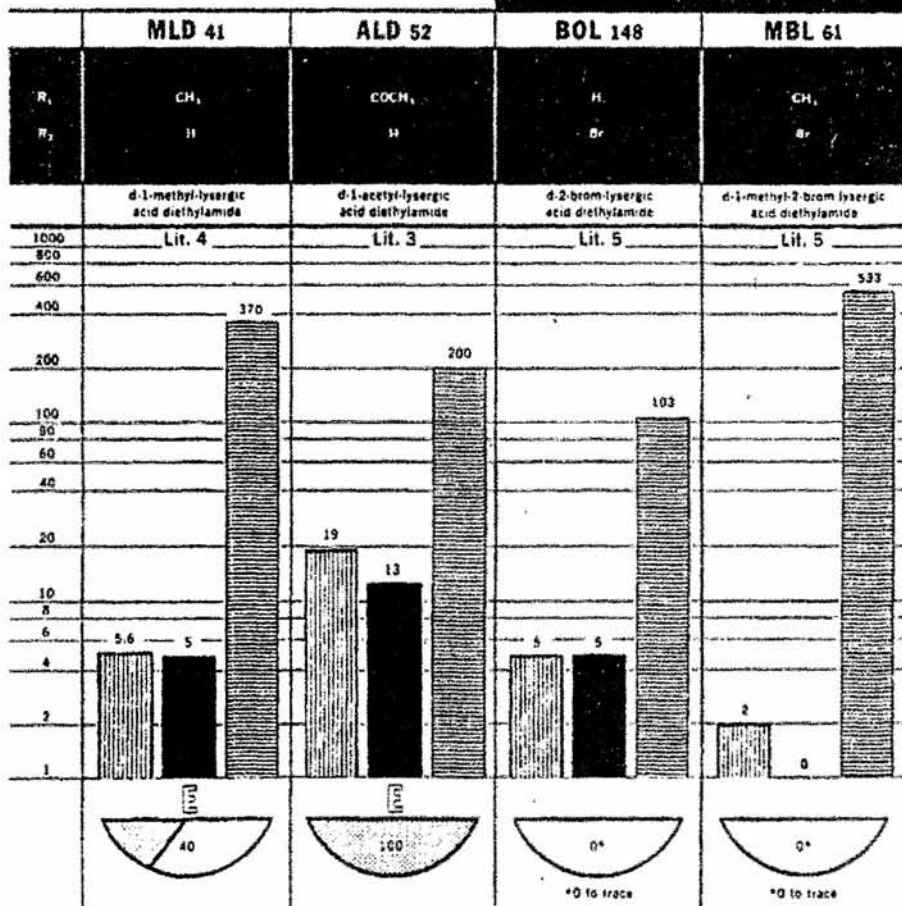
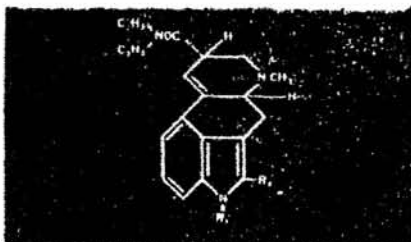


**Pharmacologic Properties
and
Psychotogenic Effects
of some
Lysergic Acid Derivatives
Comparison with Delysid® (LSD25)**



SUBSTITUTIONS IN RING SYSTEM



(10)

EXCITATORY SYNDROME in rabbits after intravenous injection. The syndrome consists of the following signs: motor hyperactivity, hyperreflexia, pilo-erection, mydriasis.

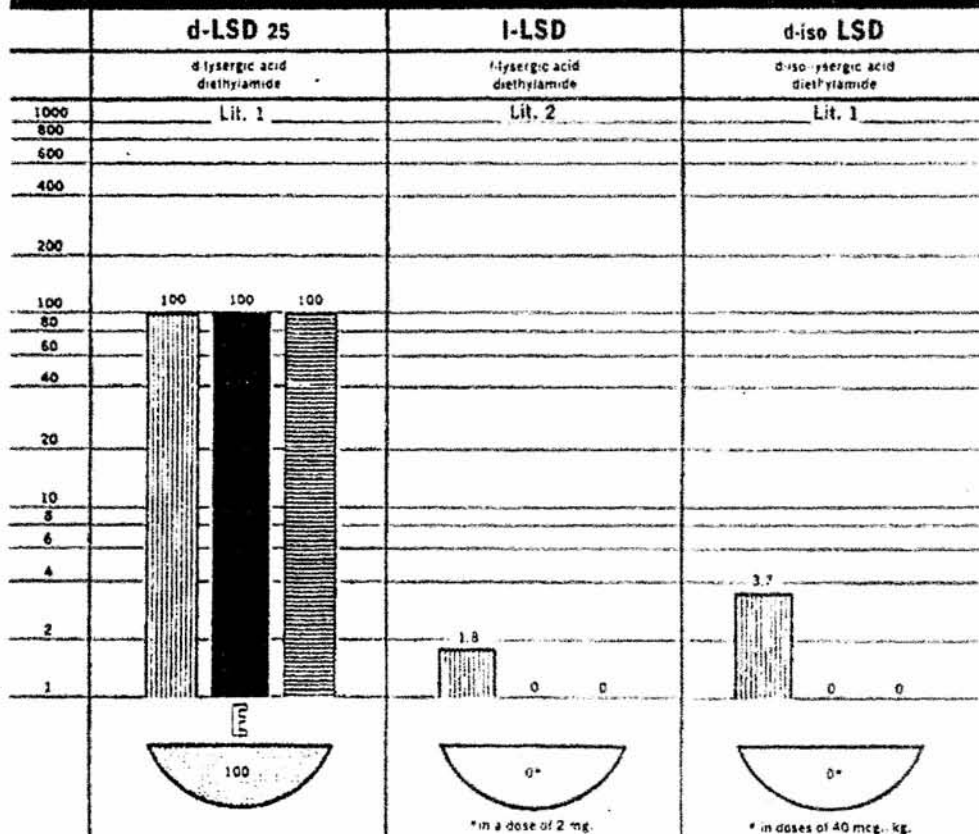
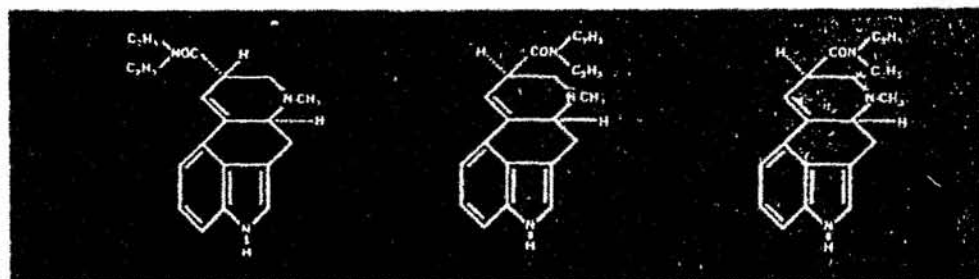


PSYCHOTOGENIC EFFECT IN MAN, after oral intake If present, the symptoms are qualitatively similar to those produced by Delysid. The dosage range necessary to produce effects of the same intensity as 1 to 1.5 $\mu\text{g/kg}$ Delysid has been determined; the potency of the substance is expressed in per cent of the potency of Delysid, using the formula

$$\frac{\text{dose of substance}}{\text{dose of Delysid}} \times 100.$$

(Source: (500) M.D. National Institute of Mental Health)

STEREISOMERS

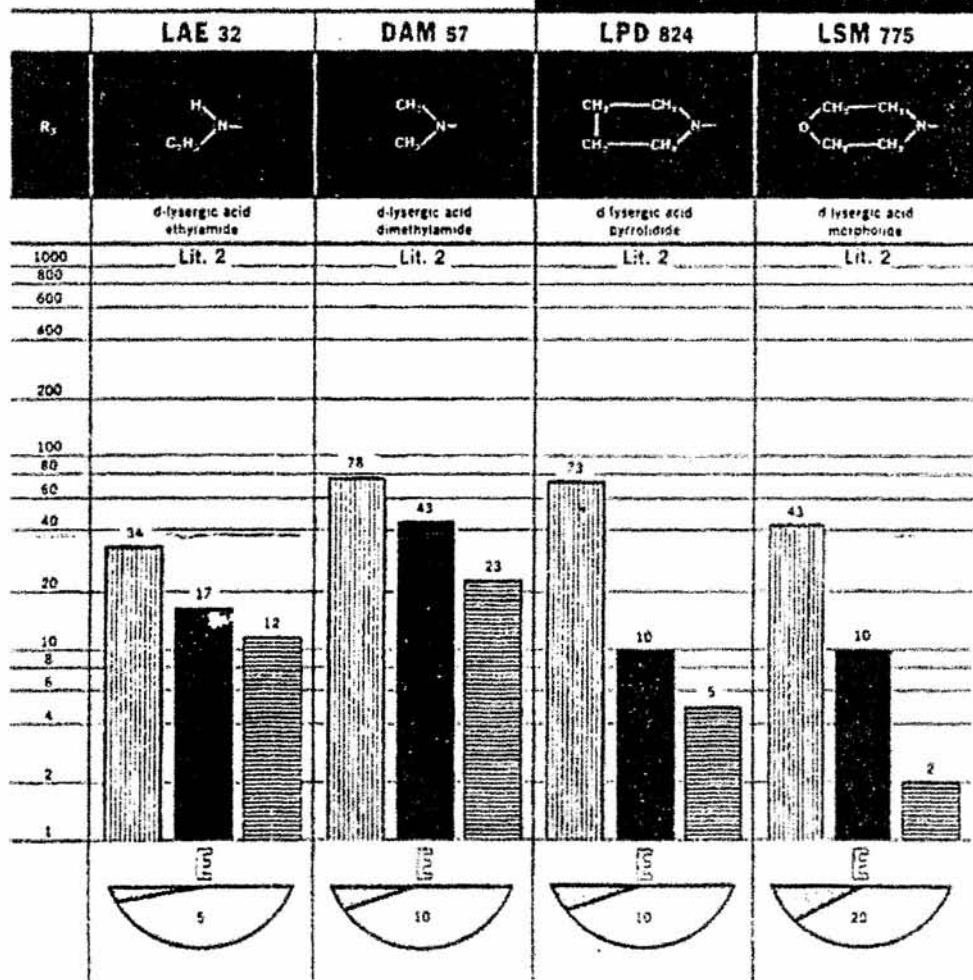
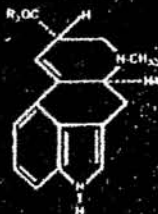


I.V. TOXICITY in the rabbit. The toxicities are expressed in per cent of the toxicity of Delysid, using the formula $\frac{LD\ 50\ Delysid}{LD\ 50\ substance} \times 100$, and plotted on a logarithmic

PYRETOGENIC effect in rabbits. The pyretogenic potency is expressed in per cent of the potency of Delysid, and plotted on a logarithmic scale. The comparison is made at a dosage level producing a rise in body temperature of about 1°C. All substances are injected intravenously [Lit. R. 14]

SEROTONIN ANTAGONISM on the isolated rat uterus. The anti-5-HT potency is expressed in per cent of the potency of Delysid and plotted on a logarithmic scale. Lit. 6 7 9 10.

VARIATIONS OF AMIDE GROUPING

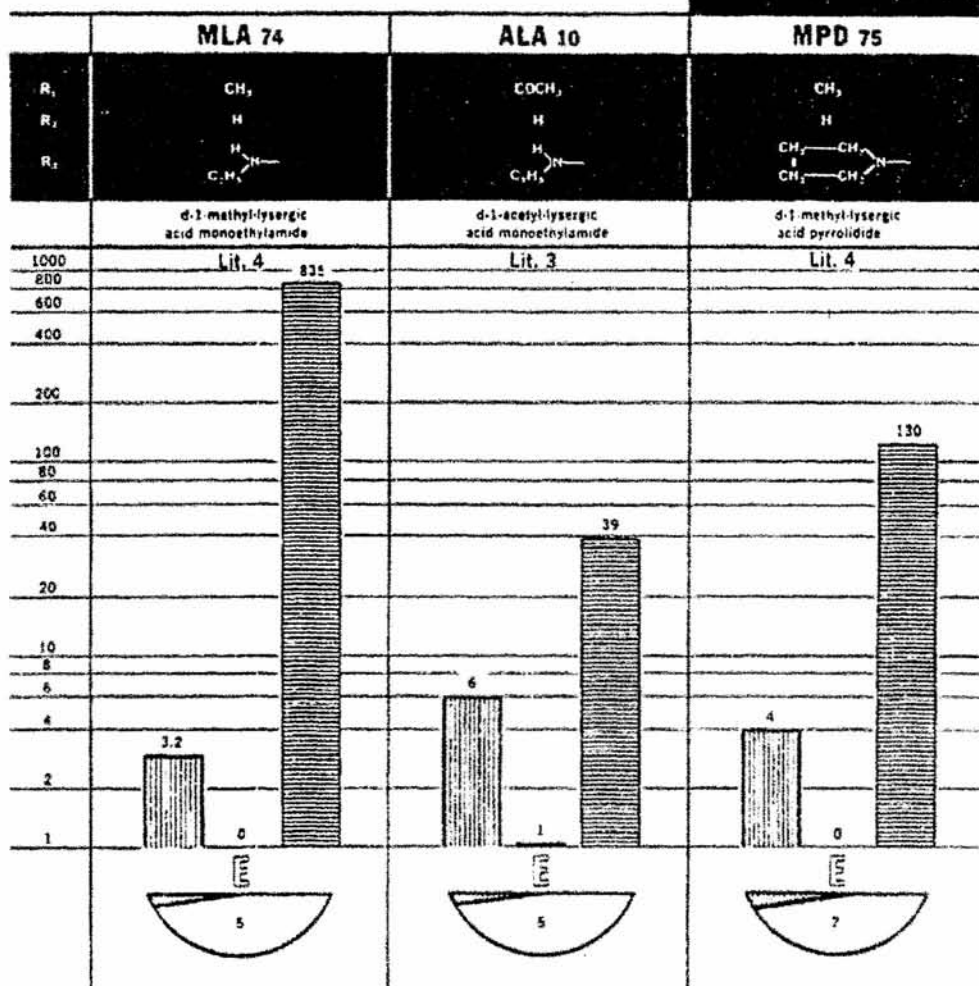
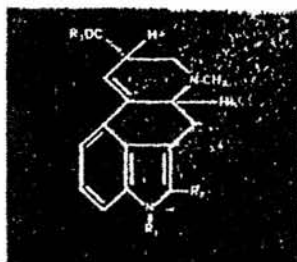


I.V. TOXICITY in the rabbit. The toxicities are expressed in per cent of the toxicity of Deisyd, using the formula $\frac{LD_{50} \text{ Deisyd}}{LD_{50} \text{ substance}} \times 100$, and plotted on a logarithmic

PYRETOGENIC effect in rabbits. The pyretogenic potency is expressed in per cent of the potency of Deisyd, and plotted on a logarithmic scale. The comparison is made at a dosage level producing a rise in body temperature of about 1°C. All substances are injected intravenously. Lit. 8, 14

SEROTONIN ANTAGONISM on the isolated rat uterus. The anti-5-HT potency is expressed in per cent of the potency of Deisyd as plotted on a logarithmic scale. Lit. 6, 7, 9, 10, 11, 12, 13, 14.

SUBSTITUTIONS IN RING AND VARIATIONS OF AMIDE



EXCITATORY SYNDROME

in rabbits after intravenous injection. The syndrome consists of the following signs: motor hyperactivity, hyperreflexia, piloerection, mydriasis.



PSYCHOTOGENIC EFFECT IN MAN, after oral intake. If present, the symptoms are qualitatively similar to those produced by Delysid. The dosage range necessary to produce effects of the same intensity as 1 to 1.5 $\mu\text{g/kg}$ Delysid has been determined; the potency of the substance is expressed in per cent of the potency of Delysid, using the formula:

$$\text{dose of substance} \times 100 = \text{potency of Delysid}$$

(Source: Small, M.D., National Institute of Mental Health)

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