

THE BLACK VAULT

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Extraction of Hallusinogenia Principle from Pailocyte choralogy

Two extractions were performed; one using absolute otherwill and the second using 30° aqueous ethanol.

l. Desolute ethanol: 100 g. of dried mushrooms from the 10.7 masson collection were macerated under 300 ml. of abs. ethanol in a maring blender. The suspension was then stirred for 12 material blender. The suspension was then stirred for 12 material blender. The suspension was twice posted. The first extract was yellow, the others very pale. The sested of from these extracts was a white solid, with small end of yellow oil. The oil was removed by washing with n-pontant: the pentane solution gave 960 mg. of dark brown foul-smalling the semi-solid residue, after defatting, was very hyproscopit, and only partially soluble in otherol, weight 950 mg. Two complete of this gummy solid were taken orally, first 105 mg. and some hours later, 400 mg. Only a very questionable, fleeting feet was noticed. A 140 mg. sample of the pontane soluble reasons placed in a gelatin capsule and taken, this also gave essentially no offect.

It was then decided to continue the extraction with was. In the chopped material was stirred with warm alcohol but inadver at the was allowed to go dry, and the temperature rose to about 80°. The material was then extracted once with 50 % alcohol; this extract

It should be noted that during all of the treatment with the solute ethanol, the chopped mushroom tissue remained quite prove ular, and dried very rapidly.

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2. Extraction with 80% Ethanol: Cince it was clear that shoul be otherol was ineffective in penetrating the tissue, 80% otherol was tried. In this experiment, an effort was made to exhaust the mustroom tissue as quickly as possible. 50 g. of the dried mustiresus were macerated under 250 ml. of 80% ethanol in a Waring blendor. The resulting mixture was a pasty mass; no supernatant layer seperted. After one-half hour, with intermittent agitation in the blendor (temp. 35 - 400), the mass was pressed on a suction filter under a rubber dam. The filtrate was a dark ember, and slightly fluorescent. This extraction in the blendor was repeated three times; the fourth extract was very pale yellow. No further color was extracted with water. The pooled extracts were evaporated in vacuum below room temp. almost to dryness. A dark amber syrap and brown oil were present. Water and a little otherol were added and the mixture was defatted with n-pentane. The remaining ethanol was then removed; the final volume was 81 ml. Thirty ml. of this solution (corresponding to 20 g. of dried mushrooms) was taken orally. full-blown effect, lasting about six hours, was experienced. The visual patterns were perhaps somewhat less vivid; the subjective, emotional reaction was perhaps intensified in comparison to the experience with the dried mushrooms. Also intensified was the effect on breathing, which was noted to a lesser extent with the dried make rooms. Freathing was exceedingly labored, and at one point T was gasping so hard that I nearly lost conclousness. It should be noted that a full effect was experienced with 10 g. of dried mushrooms; [would judge that the effect from this extract of 20 g. of mushrooms was definitely greater. Thus the extraction appears to have been quite offective. B-118 A 10 ml. aliquot of the remaining aqueous solution was dried down in ynous to give 1.05 g. of feam. The pentane solution gave 1.222 g. of brown cil. It is apparent that a much more exhaustive extraction was realized. The total solids in the aqueous phase (total were 8.52 g.; or 17 g of the dry weight.

It may be assumed that thems a definitely positive response would have been emperienced with half of the 3.2 g. of solids ingested. This can be translated into a figure of roughly 30 mg/kg., which might be taken as a rough base line for desage for an extract prepared as described.