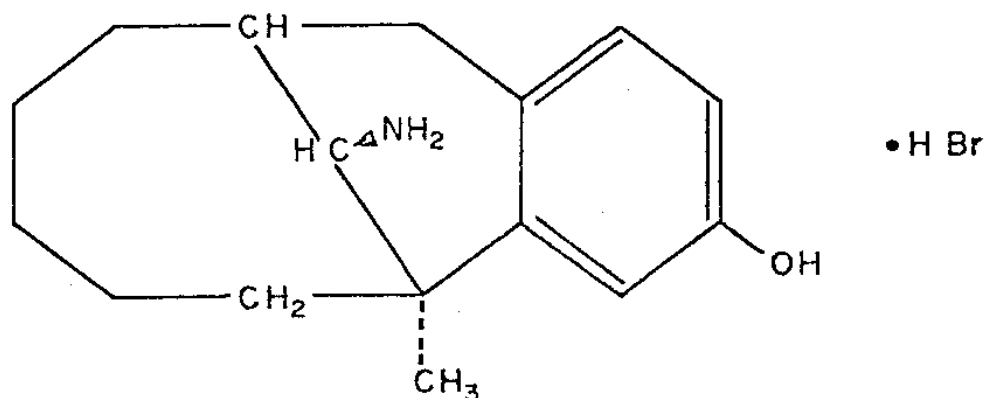


Assessment of Wy-16,225 for Morphine-Like Subjective Effects and Miosis

Wy-16,225 is a bridged aminotetralin (Fig. 7) which is an effective analgesic but does not appear to be a morphine-like drug in studies in monkeys.¹¹ In morphine-dependent monkeys Wy-16,225 precipitated abstinence in non-withdrawn monkeys and did not suppress abstinence in withdrawn morphine-dependent monkeys. Further chronic administration of Wy-16,225 did not induce physical dependence.



Wy-16,225

Figure 7. Structure of Wy-16,225 [($-$)-13 β -amino-5,6,7,8,9,10,11,12-octahydro-5 α -methyl-5,11-methanobenzocyclodecen-31-ol]

A single dose study was conducted in which each of 10 subjects received Wy-16,225, 15, 30 and 60 mg; morphine, 15 and 30 mg; and placebo at weekly intervals under double blind conditions. Drug effects were assessed at 0.5, 1, 2, 3, 4, 5, 6, and 12 hours after drug administration with change in pupillary diameter, subjects' and observers' single dose¹² opiate questionnaires⁶ and a subjective drug effects questionnaire.¹³