CHLORDIAZEPoxide

SYNONYMS:
Metaminodiazeproxide, Methaminodiazeproxide, Cloproxide, Decacid, Disarium, Edenpsich, Helogaphen, Libritabs, Menrium, Mesural, Multum, O.C.M., Risolid, Silibrin, Sonimen, Tropium, Zeisin, Zetran

CHEMICAL NAME:
7-Chloro-2-methylamino-5-phenyl-3H-1,4-benzo diazepine 4-oxide

FORMULA:
C_{16}H_{14}ClN_{3}O

MOLECULAR WEIGHT:
299.75 g/mole

MELTING POINT:
240, 236 - 238°C

DISSOCIATION CONSTANT (pKa):
4.6

SOLUBILITY:
Ethanol and ether soluble, low solubility in chloroform. Water insoluble.

THERAPEUTIC USE:
Sedative, Minor Tranquilizer

MAJOR METABOLITES:
N-dealkylation to Desmethylchlorodiazeproxide and demoxepam. Demoxepam is hydrolyzed and reduced to Nordiazepam which may be hydroxylated to Oxazepam. The Oxazepam formed is conjugated as the glucuronide.
CHLORDIAZEPoxide