



tained was found to be identical to compound V obtained by method (a).

Compounds II-IV and VI-XI were obtained in an analogous manner.

**4-Phenylimido-5-phenylazo-2-thiohydantoin.** A 2.3 g quantity (0.01 mole) of compound II, 1.2 g (0.013 mole) of aniline, and 20 ml of methanol were boiled in a reflux condenser for 2 hr 30 min.

After the evolution of hydrogen sulfide a clear red-orange crystalline precipitate was formed. Yield = 1.7 g (58%). Recrystallization from methanol produces fine yellow needles, mp 259°-260° C (decomp.). Found, %: N 23.56; S 11.12. Calculated for  $C_{15}H_{13}N_3S$ , %: N 23.71; S 10.85.

In an analogous manner 4-phenylimino-5-(*n*-carboxyphenylazo)-2-thiohydantoin was obtained from compound VI and aniline. Yield, 65%. Small red-orange needles, mp 263°-265° C (decomp., methanol). Found, %: N 20.99; S 8.96. Calculated for  $C_{16}H_{13}O_2N_3S$ , %: N 20.63; S 9.44.

## REFERENCES

1. S. N. Baranov and T. V. Perova, KhGS [Chemistry of Heterocyclic Compounds], 326, 1967.
2. A. P. Grishchuk, KhGS [Chemistry of Heterocyclic Compounds], 372, 1966.
3. A. E. Shott-L'vova, et al., DAN 145, 1321, 19 1962.
4. I. Cheymo, P. Chabrier, F. Bourillet, and C. Levassort, J. Physiol. 46, 294, 1954; RZhKh, BKh 4, 4027, 1956.

4 June 1966

L'vov Medical Institute