

Bulletin of the Academy of Sciences of the USSR Division of Chemical Science 1977 vol.26 N4,
pages 824-828

Organic derivatives of antimony - 3. Alkoxy and chloroalkoxy derivatives of antimony

Arbuzov B., Mareev Y., Vinogradova V.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

1. The action of an excess of chlorine on the corresponding alkoxy- and chloroalkoxy derivatives of Sb(III) produced trichlorodimethoxy-, dichlorotrimethoxy-, and trichlorodiethoxyantimony, which have not been described in the literature, as well as tetrachloromethoxy- and dichlorotriethoxyantimony. 2. The action of acetyl chloride on pentaethoxyantimony yielded chlorotetraethoxyantimony. 3. The ester interchange of pentaethoxyantimony with methanol yielded pentamethoxyantimony. 4. The reaction of SbCl_3 with trimethoxy- and triethoxyantimony produced chlorodimethoxy-, dichloromethoxy-, and chlorodiethoxyantimony. © 1977 Plenum Publishing Corporation.

<http://dx.doi.org/10.1007/BF01108208>
