

Bulletin of the Academy of Sciences of the USSR Division of Chemical Science 1976 vol.25 N12,  
pages 2519-2524

---

## Conformations of cyclic bromoarsenites and the electrical parameters of arsenic bonds

Anonimova I., Chadaeva N., Yuldasheva L., Vul'fson S., Vereshchagin A., Arbuzov B.  
*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### Abstract

1. It has been shown that 2-bromo-1,3,2-dioxaarsenanes exist in chair conformation with axially oriented As-Br bonds. 2. Polarity and polarizability parameters have been found for the As-O and As-Br bonds in 2-bromo-1,3,2-dioxaarsenanes. 3. The so-called  $\alpha$ -effect is stronger in the O<sub>2</sub>AsBr group than in the O<sub>2</sub>AsCl group. © 1977 Plenum Publishing Corporation.

<http://dx.doi.org/10.1007/BF00920891>

---