

## Ability of As=S group to form the hydrogen bond

Shagidullin R., Izosimova S., Lamanova I.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### Abstract

The As=S group is capable of forming a hydrogen bond with phenol by functioning as the proton acceptor, in which connection the proton-acceptor capacity depends on the environment of the arsenic atom. The stability of the formed hydrogen bonds is somewhat higher than for the P=S group, but it is considerably lower than for the As=O group. © 1974 Consultants Bureau.

<http://dx.doi.org/10.1007/BF00926144>

---