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Ability of As=S group to form the hydrogen bond

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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.

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