

1,3-Dimethylbarbiturat-Salze organischer Kationen

1,3-Dimethylbarbiturate Salts of Organic Cations

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The barbiturate salts 2-amino-1,3-dimethylimidazolium N,N'-dimethylbarbiturate (**8**) and 1,3-diisopropyl-4,5-dimethylimidazolium N,N'-dimethylbarbiturate (**10**) are obtained from N,N'-dimethylbarbituric acid (**6**) and 2-imino-1,3-dimethylimidazoline (**7**) or 2,3-dihydro-1,3-diisopropyl-4,5-dimethylimidazol-2-ylidene (**9**) in good yields. Their crystal structures reveal the presence of strong interionic N-H-O (**8**) and C-H-O (**10**) hydrogen bonds to give dimeric (**8**) and monomeric (**10**) ion pairs. These pairs are linked by weak C-H-O hydrogen contacts to give three-dimensional networks.

Key words: Heterocycles, Barbituric Acid, Hydrogen Bonds, Crystal Structure