

N-amidino-4-hydroxy-L-proline monohydrate and *N*-amidino-L-methionine monohydrate.

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Streszczenie

The title amidino-amino acids (α -Hpro), $C_6H_{11}N_3O_3 \cdot H_2O$, (I), and α -Met, $C_6H_{13}N_3O_2S \cdot H_2O$, (II), respectively, exist in the form of zwitterions. The five-membered pyrrolidine ring in (I) adopts an envelope conformation, with the C γ atom out of the plane defined by the rest of the ring atoms, and with the hydroxyl and carboxylate groups in a trans configuration relative to the ring plane. The two crystallographically independent zwitterions in (II) reveal quite different conformations of their side chains and a slightly different orientation of the guanidine moiety with respect to the carboxylate group. The crystal structures of both (I) and (II) are stabilized by extensive networks of O-H...O, N-H...O and C-H...O hydrogen bonds, the network being three-dimensional in (I) and two-dimensional in (II).

Adres publiczny

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