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The invention provides a mixed crystalline form VIII of agomelatine, the preparation method, use thereof, and a pharmaceutical composition containing the same.

The said crystalline form of agomelatine is stable and has good reproducibility. It is found through a stability test to be superior to a crystal form VI in terms of stability. Therefore, the crystalline form VIII of the present invention has an advantage in terms of preparation. The preparation method, according to the invention, involves the dissolution of agomelatine compound in acetic acid, to which sodium acetate is then added, followed by the dropwise addition of water to this reaction mixture, which is then agitated at a temperature of 7...13°C in order to bring about crystallization, with the crystals then being separated from the solution.

Claims: 14

Fig.: 7