

Solid state characteristics of bedaquiline benzoate

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occurs as either a 1.17 hydrate or monohydrate acetonitrile solvate. The chemical formula was $C_{32}H_{32}BrN_2O_2 \cdot C_7H_5O_2 \cdot 1.166(H_2O)$, Molecular weight 698.7g. Rietveld's analysis confirmed the benzoate salts. The DSC thermograph value was comparable to the melting point determination. KF determination shows it contained 3.33% water, comparable to the TGA results, loss of ~3.1%. The salt was stable and nonhygroscopic for 3 months.

Biography

Mercy Amaka Okezue is a postdoc research associate in the Industrial and Physical Pharmacy department at Purdue University, West Lafayette, IN. Simultaneously, she works as a regulatory officer with Nigeria's foods and drugs regulatory authority, NAFDAC. A fellow of the West African Post Graduate College of Pharmacists (2010), Dr. Okezue also has an MS degree in BRS from Purdue (2016). Currently, she is working on a laboratory-based assessment of the quality of some products that have a high history of recalls in a US FDA Project (Assessment Tools for Surveillance and Monitoring of Real-World Data Systems and Processes to Ensure Product Quality). Also, developing solid nanoparticles for the bedaquiline salts to further improve their solubility.

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Background: In the diagnosis of obstructive coronary artery disease (CAD), computed tomography (CT) is an accurate, non-invasive alternative to invasive coronary angiography

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