Solid state characteristics of bedaquiline benzoate

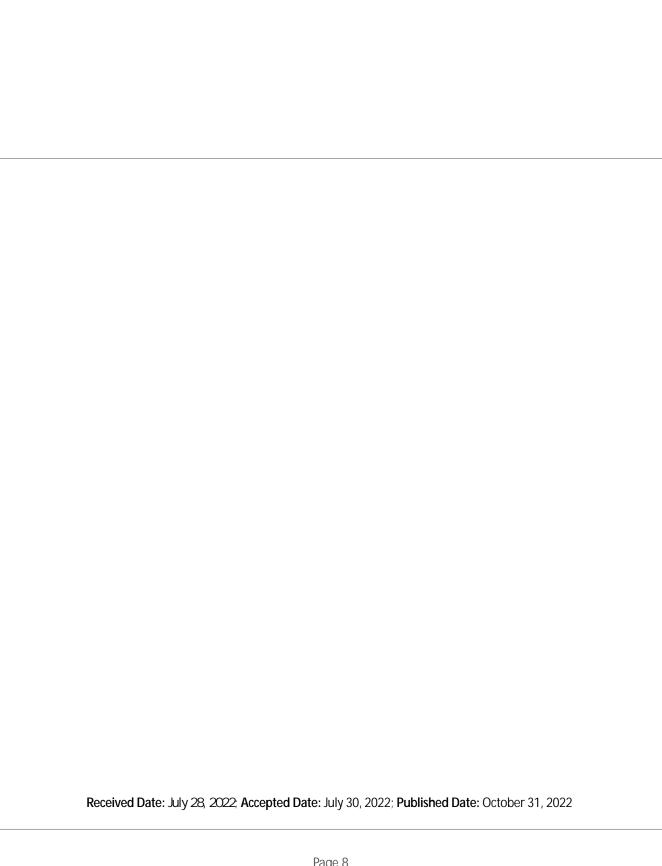
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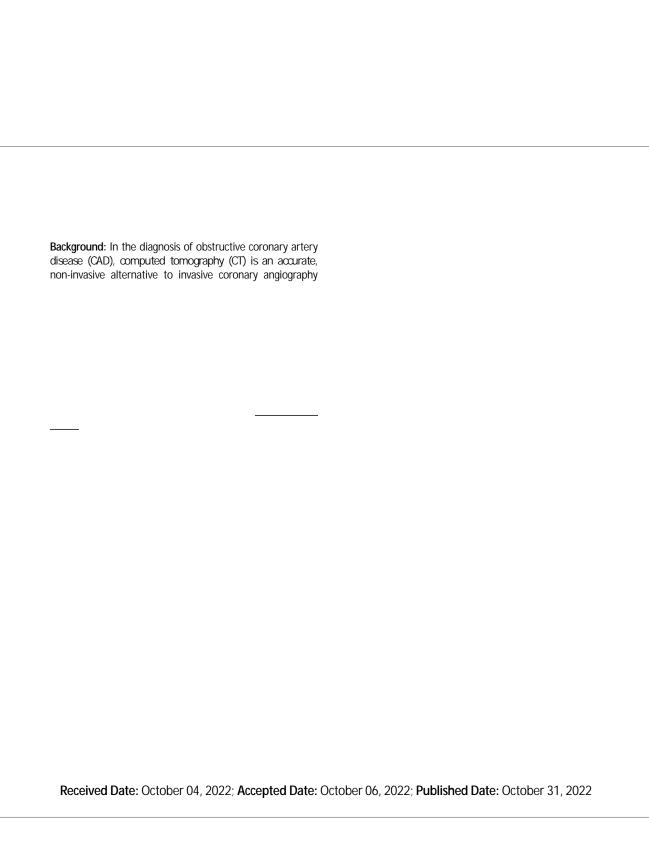
occurs as either a 1.17 hydrate or <u>monohydrate acetonitrile</u> solvate. The chemical formula was C32 H32 Br N2 O2, C7 H5 O2, 1.166(H2 O), Molecular weight 698.7g. Rietveld's analysis confirmed the benzoate salts. The DSC thermograph value was comparable to the melting point determination. KF determination 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 BIRS 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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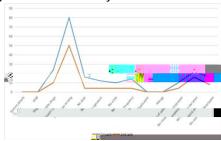




Aim of audit:

- To identify compliance of drug chart writing with BNF quidelines
- 2. To identify most common errors of prescription writing

Analysis of first and second cycle:



Action plan after 1st cycle: (APRIL-2022)

- Messaging in the junior doctor's group and highlighting the common errors according to our <u>analysis</u> and requesting them to incorporate the improvement in their day to day practice.
- Discussing with colleagues about result of the analysis and encouraging them to minimize the error.

Action plan after 2nd cycle

Discussing about the analysis with the AMU doctors as majority of the patients are first admitted in the AMU so that the common errors of drug chart writing can be avoided.

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