

Multivariate Design of 3D Printed Immediate-Release Tablets with Liquid Crystal-Forming Drug—Itraconazole

Witold Jamróz ^{1,*}, Jolanta Pyteraf ¹, Mateusz Kurek ^{1,*}, Justyna Knapik-Kowalczyk ^{2,3}, Joanna Szafraniec-Szczęsny ¹, Karolina Jurkiewicz ^{2,3}, Bartosz Leszczyński ⁴, Andrzej Wróbel ⁴, Marian Paluch ^{2,3} and Renata Jachowicz ¹

¹ Department of Pharmaceutical Technology and Biopharmaceutics, Jagiellonian University Medical College, Medyczna 9, 30-688 Krakow, Poland; jolanta.pyteraf@uj.edu.pl (J.P.); joanna.szafraniec@uj.edu.pl (J.S.-S.); renata.jachowicz@uj.edu.pl (R.J.)

² Division of Biophysics and Molecular Physics, Institute of Physics, University of Silesia, Uniwersytecka 4, 40-007 Katowice, Poland; justyna.knapik-kowalczyk@us.edu.pl (J.K.-K.), karolina.jurkiewicz@us.edu.pl (K.J.) marian.paluch@us.edu.pl (M.P.)

³ Silesian Center for Education and Interdisciplinary Research, University of Silesia, 75 Pulku Piechoty 1a, 41-500 Chorzow, Poland

⁴ Marian Smoluchowski Institute of Physics, Jagiellonian University, Łojasiewicza 11, 30-348 Krakow, Poland; bartosz.leszczyński@uj.edu.pl (B.L.), andrzej.wrobel@uj.edu.pl (A.W.)

* Correspondence: witold.jamroz@uj.edu.pl (W.J.), mateusz.kurek@uj.edu.pl (M.K.); Tel.: +48-12 62-05-600 (W.J. & M.K.)

Pictures of 3D printed itraconazole tablets with different infill density

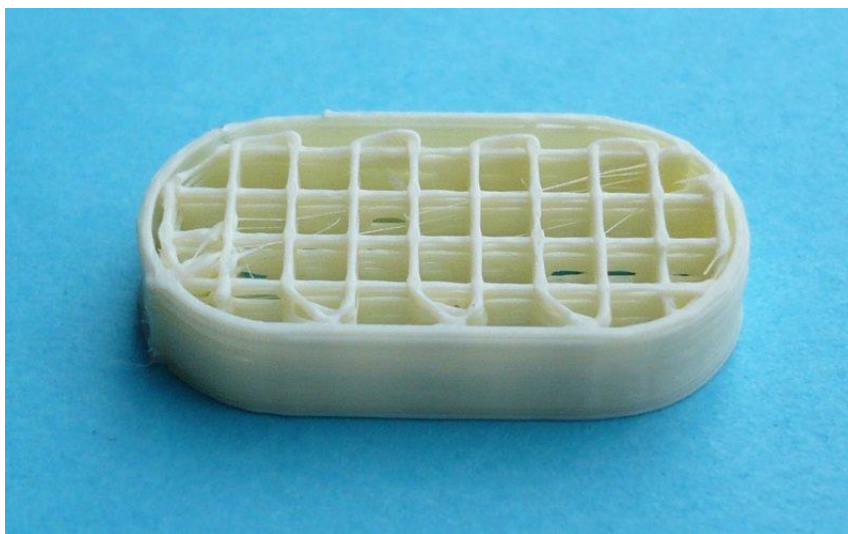


Figure S1. 3D printed itraconazole-loaded tablet with 20% infill density.



Figure S2. 3D printed itraconazole-loaded tablet with 35% infill density.



Figure S3. 3D printed itraconazole-loaded tablet with 60% infill density.



© 2020 by the authors. Submitted for possible open access publication under the terms and conditions of the Creative Commons Attribution (CC BY) license (<http://creativecommons.org/licenses/by/4.0/>).