

Article

Swelling and Diffusion in Polymerized Ionic Liquids-Based Hydrogels

Ann Jastram ¹, Tobias Lindner ², Christian Luebbert ³, Gabriele Sadowski ⁴ and Udo Kragl ^{1,5,*}

¹ Institute of Chemistry, Industrial Chemistry, University of Rostock, Albert-Einstein-Str. 3a, 18059 Rostock, Germany; ann.jastram@uni-rostock.de

² Core Facility Multimodal Small Animal Imaging, Rostock University Medical Center, Schillingallee 69a, 18057 Rostock, Germany; tobias.lindner@med.uni-rostock.de

³ amofor GmbH, Otto-Hahn-Str. 15, 44227 Dortmund, Germany; luebbert@amofor.de

⁴ Department of Biochemical and Chemical Engineering, Laboratory of Thermodynamics, TU Dortmund University, Emil-Figge-Str. 70, 44227 Dortmund, Germany; gabriele.sadowski@tu-dortmund.de

⁵ Department Life, Light & Matter, Faculty for Interdisciplinary Research, University of Rostock, Albert-Einstein-Str. 25, 18059, Rostock, Germany

* Correspondence: udo.kragl@uni-rostock.de; Tel.: +49-381-498-6450

Citation: Jastram, A.; Lindner, T.; Luebbert, C.; Sadowski, G.; Kragl, U. Swelling and Diffusion in Polymerized Ionic Liquids-Based Hydrogels. *Polymers* **2021**, *13*, 1834. <https://doi.org/10.3390/polym13111834>

Academic Editor: Ciprian Iacob

Received: 13 May 2021

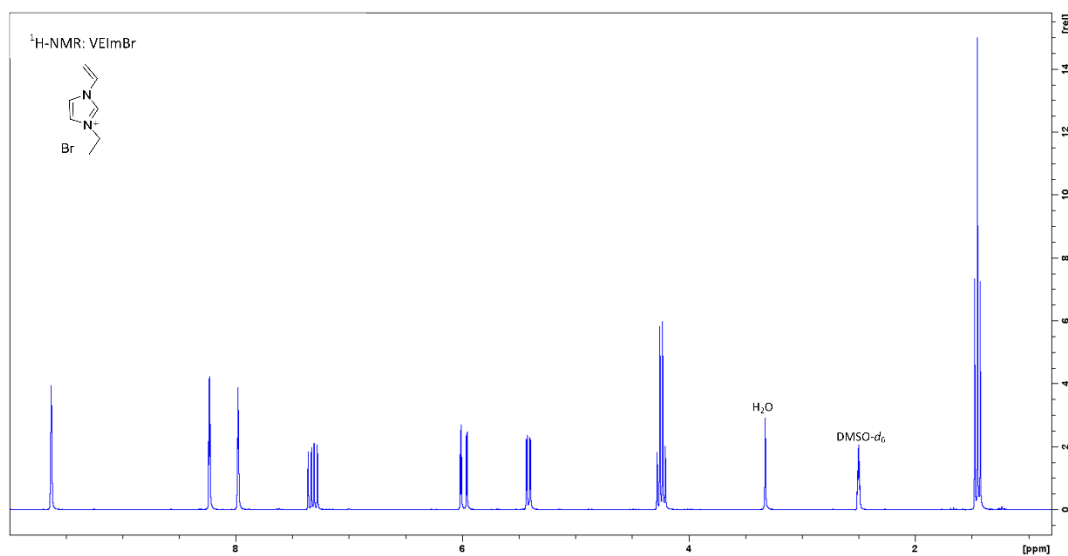
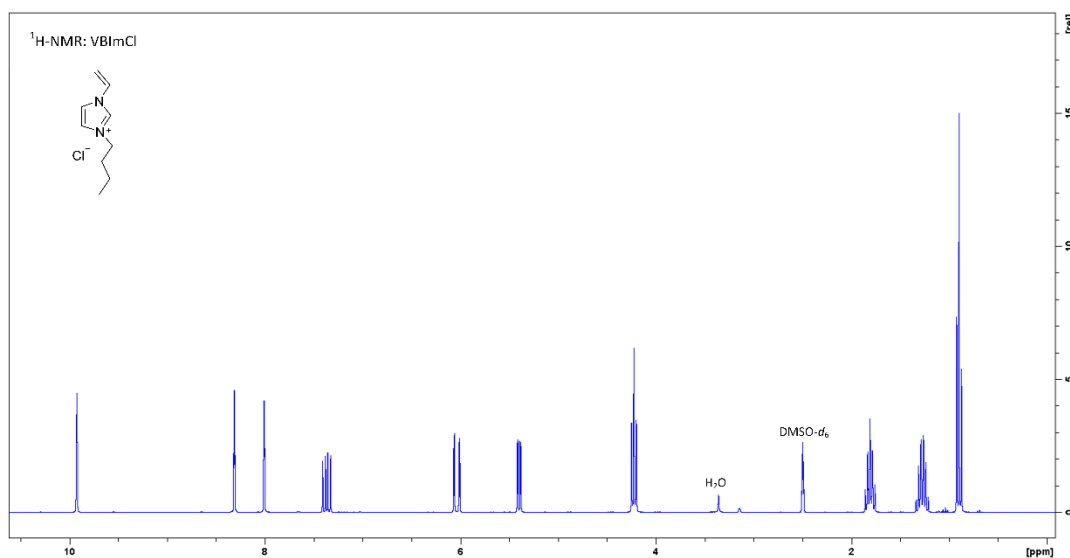
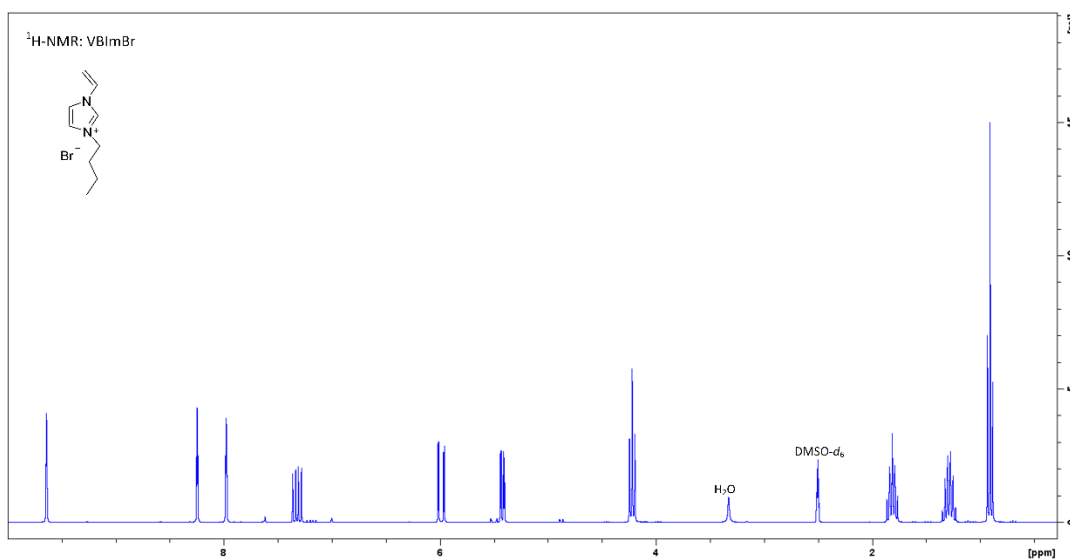
Accepted: 26 May 2021

Published: 1 May 2021

Publisher's Note: MDPI stays neutral with regard to jurisdictional claims in published maps and institutional affiliations.



Copyright: © 2021 by the authors. Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution (CC BY) license (<http://creativecommons.org/licenses/by/4.0/>).

Figure S1. ¹H-NMR of VEImBr [300 MHz].Figure S2. ¹H-NMR of VBImCl [300 MHz].Figure S3. ¹H-NMR of VBImBr [300 MHz].