

Supplementary Materials

Cell-Mediated Immunoreactivity of Poly(2-isopropenyl-2-oxazoline) as Promising Formulation for Immunomodulation

Ema Paulovičová ¹, Zuzana Kroneková ², Lucia Paulovičová ¹, Monika Majerčíková ² and Juraj Kronek ^{2,*}

¹ Immunol & Cell Culture Laboratories, Department Immunochemistry of Glycoconjugates, Center of Glycomics, Institute of Chemistry, Slovak Academy of Sciences, Dúbravská cesta 9, 845 38 Bratislava, Slovakia
ema.paulovicova@savba.sk (E.P.); lucia.paulovicova@savba.sk (L.P.)

² Department for Biomaterials Research, Polymer Institute, Slovak Academy of Sciences, Dubravska cesta 9, 845 41 Bratislava, Slovakia; zuzana.kronekova@savba.sk (Z.K.); upolmoma@savba.sk (M.M.)

* Correspondence: Juraj.kronek@savba.sk; Tel.: +421-2-3229-4366

Citation: Paulovičová, E.; Kroneková, Z.; Paulovičová, L.; Majerčíková, M.; Kronek, J. Cell-Mediated Immunoreactivity of Poly(2-isopropenyl-2-oxazoline) as Promising Formulation for Immunomodulation. *Materials* **2021**, *14*, 1371. <https://doi.org/10.3390/ma14061371>

Academic Editor: Montserrat Colilla, Yury Skorik

Received: 20 December 2020

Accepted: 8 March 2021

Published: 12 March 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/>).

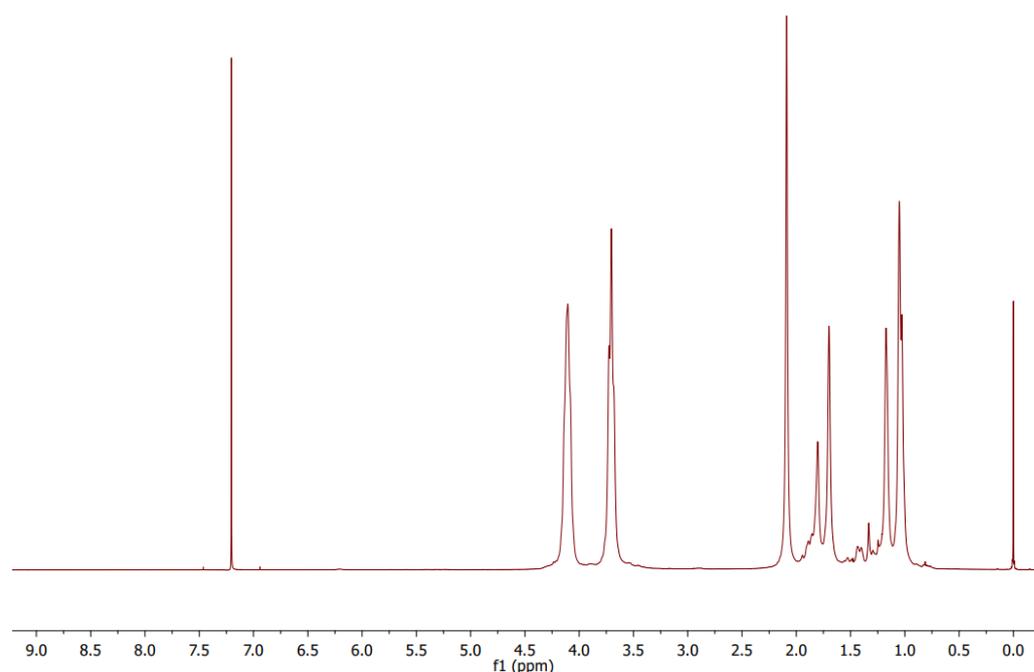


Figure S1. ¹H NMR spectrum of PIPOx measured in CDCl₃.

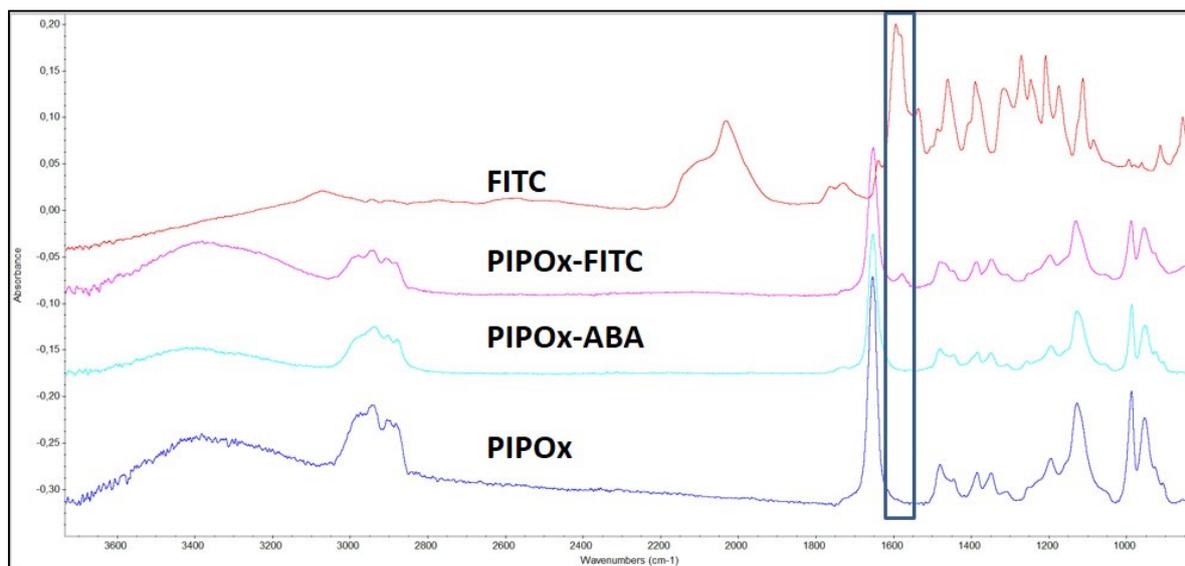


Figure S2. ATR-FTIR spectrum of PIPOx, PIPOx-ABA, and PIPOx-FITC.

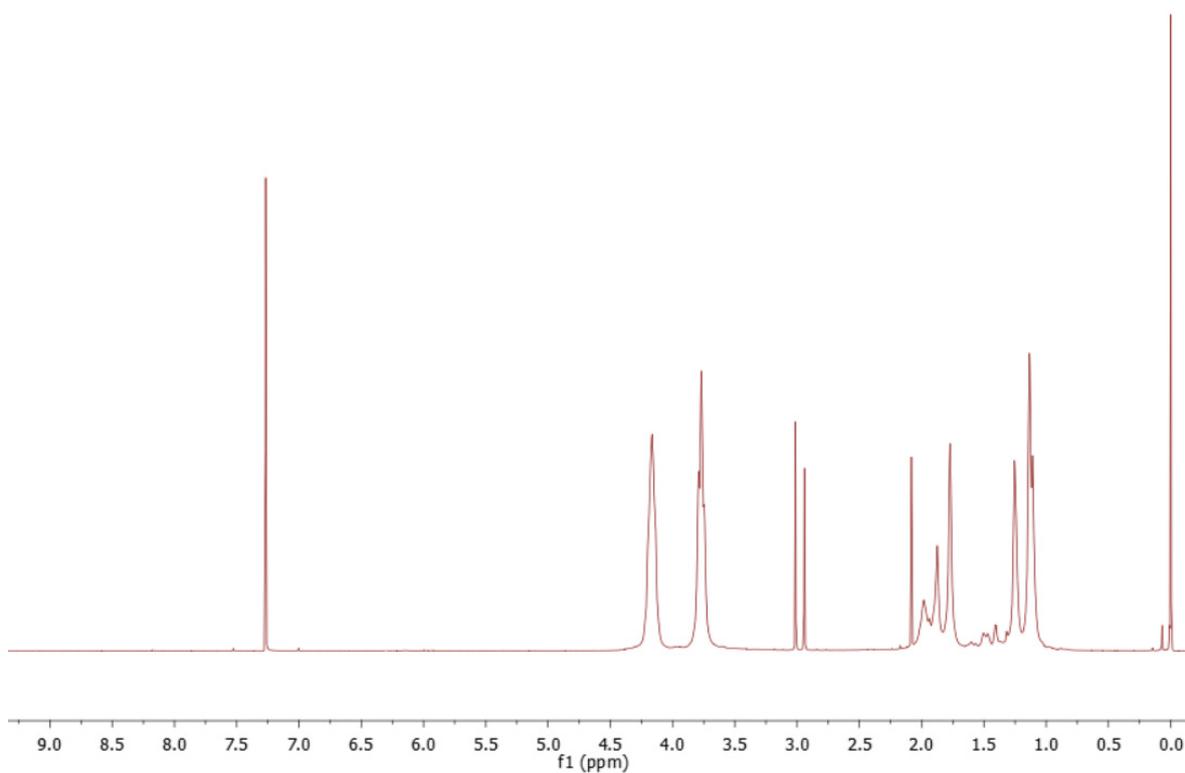


Figure S3. ¹H NMR spectrum of PIPOx-ABA measured in CDCl₃.

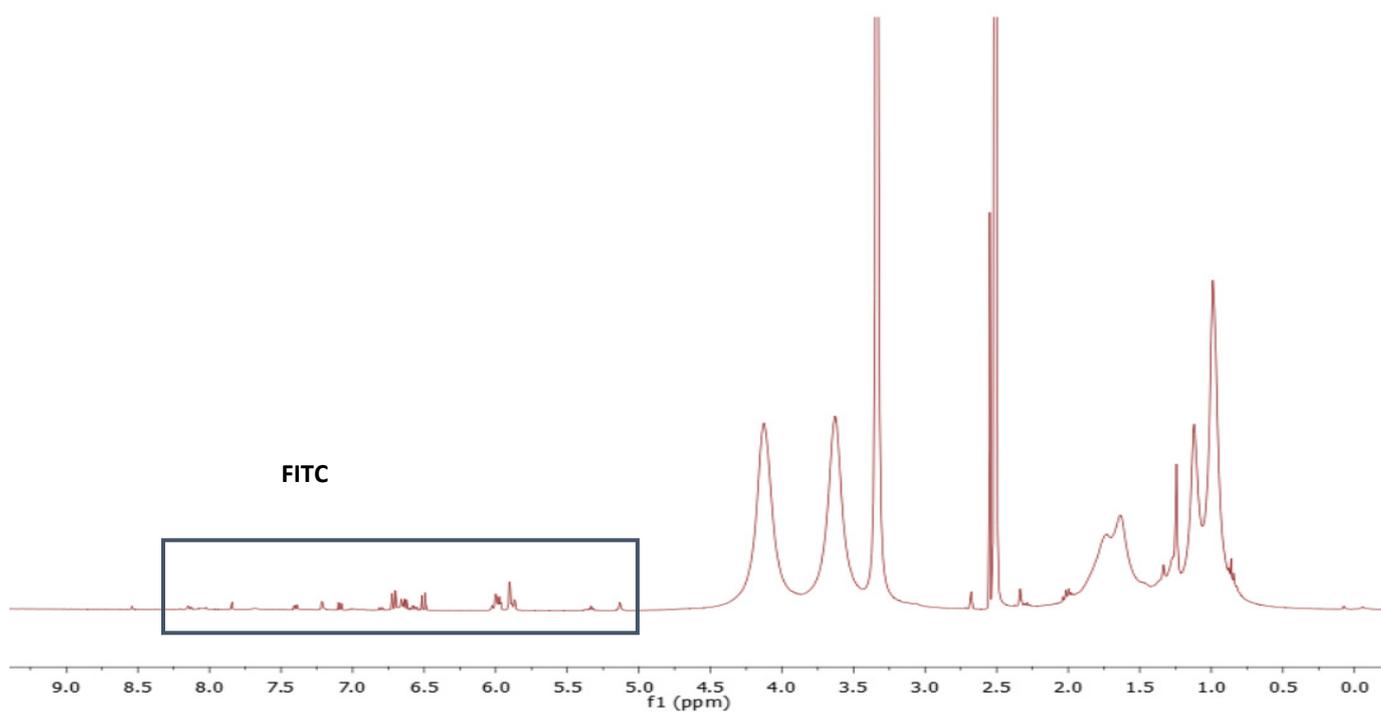
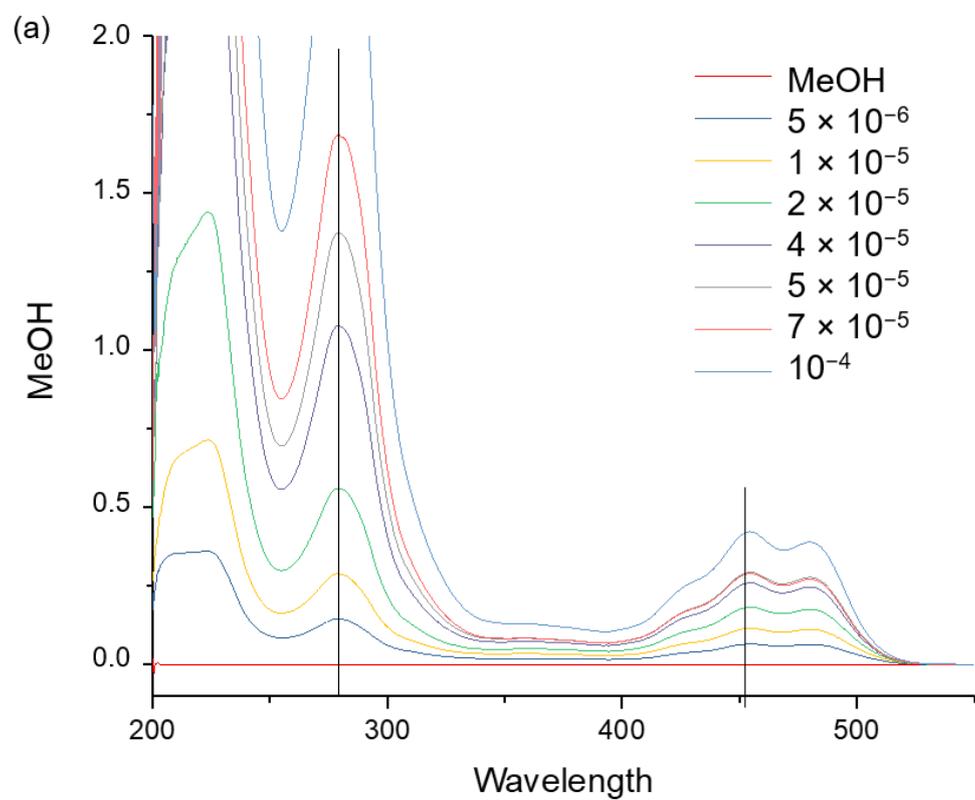


Figure S4. ^1H NMR spectrum of PIPOx-FITC measured in DMSO-d_6 .



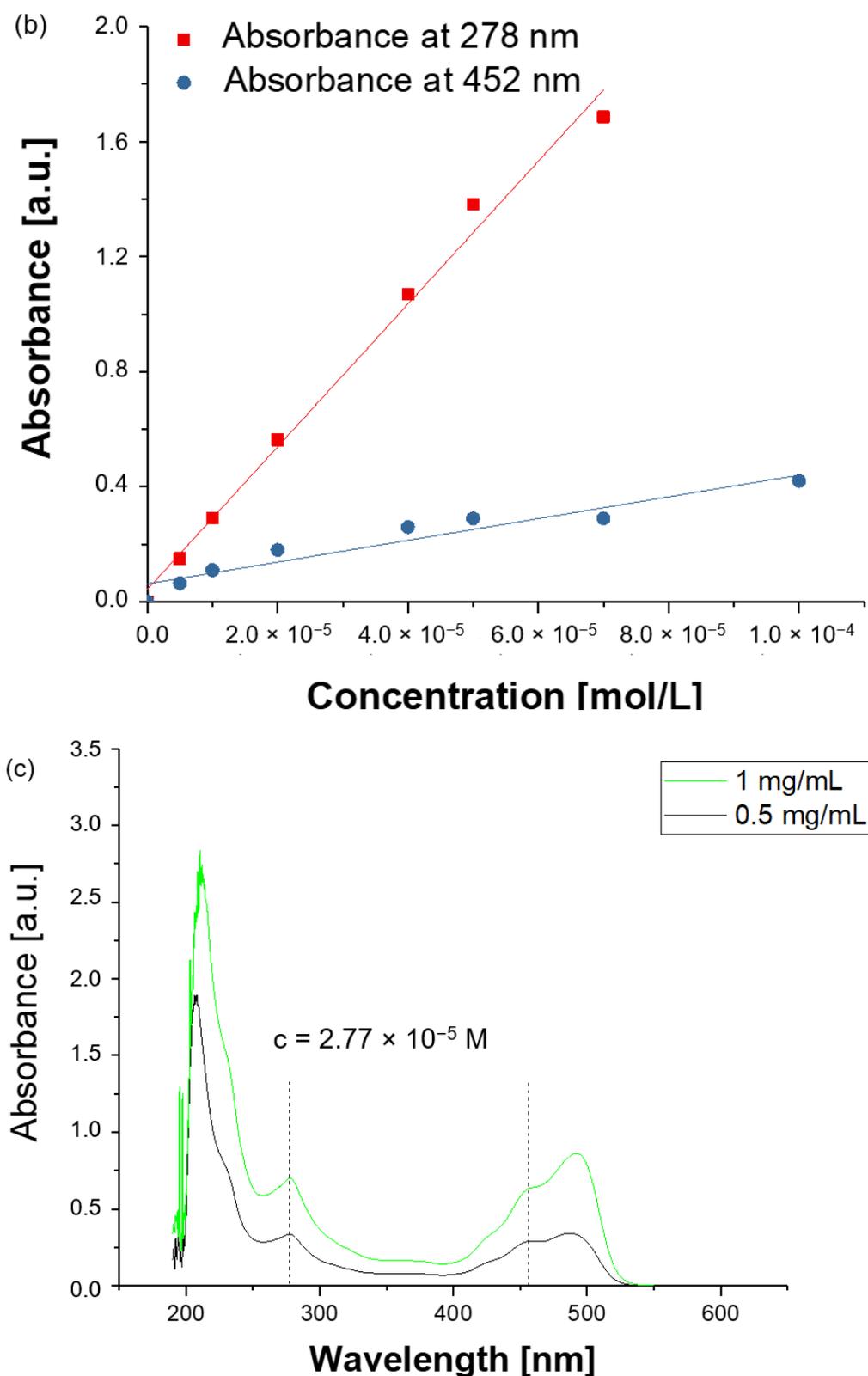


Figure S5. UV/Vis measurements of fluorescein isothiocyanate and PIPOx-FITC. (a) UV/Vis spectra of fluorescein isothiocyanate measured in methanol in the concentration range from $5 \times 10^{-6} \text{ mol dm}^{-3}$ to $10^{-4} \text{ mol dm}^{-3}$. (b) Calibration curves of fluorescein isothiocyanate at 278 and 452 nm. (c) UV/Vis spectra of PIPOx-FITC measured in methanol in the concentrations of 0.5 and 1 mg/mL. Concentration of fluorescein unit in PIPOx-FITC calculated from calibration curve was equal to 1 mol %.