

Supplementary data

Innovative aqueous nanoemulsion prepared by phase inversion emulsification with exceptional homogeneity.

Patrícia C. Pires ^{1,2,3,†}, Mariana Fernandes ^{1,4,†}, Francisca Nina ^{1,4,†}, Francisco Gama ^{1,4,†}, Maria F. Gomes ^{1,4}, Lina E. Rodrigues ^{1,4}, Sara Meirinho ^{1,4}, Samuel Silvestre ^{1,5}, Gilberto Alves ^{1,4}, Adriana O. Santos ^{1,4*}

¹ CICS-UBI—Health Sciences Research Centre, University of Beira Interior, Av. Infante D. Henrique, 6200-506 Covilhã, Portugal;

² Department of Pharmaceutical Technology, Faculty of Pharmacy, University of Coimbra, 3000-548 Coimbra, Portugal

³ REQUIMTE/LAQV—Associated Laboratory for Green Chemistry of the Network of Chemistry and Technology, Faculty of Pharmacy, University of Coimbra, 3000-548 Coimbra, Portugal

⁴ Faculty of Health Sciences, University of Beira Interior, Av. Infante D. Henrique, 6200-506 Covilhã, Portugal

⁵ Faculty of Sciences, University of Beira Interior, Rua Marquês d'Ávila e Bolama, 6201-001 Covilhã, Portugal

* Correspondence: asantos@fcsaude.ubi.pt

† These authors contributed equally to this work.

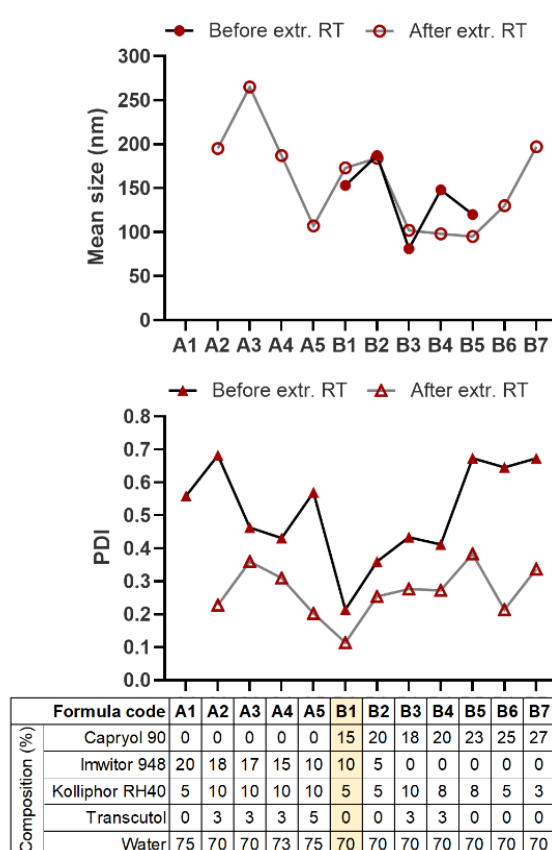


Figure S1. Droplet size characterization of the initial screen emulsion formulas before and after extrusion. Extrusion (Avanti Polar Lipids Mini Extruder®) through polycarbonate membranes with a pore of 200 nm (19 mm, Whatman® Nuclepore™ Track-Etched, Sigma-Aldrich, Steinheim, Germany) was used as a means of homogenization known as pre-mix membrane emulsification. Some mean size values before extrusion are missing due to insufficient quality in cumulants analysis because of high heterogeneity in size. PDI—polydispersity index; RT—room temperature.