

Electronic supplementary information (ESI) for:

**Rhoifolin Loaded in PLGA Nanoparticles Alleviates Oxidative Stress and
Inflammation *In Vitro* and *In Vivo*[†]**

Even Al-Shalabi, Samah Abusulieh, Alaa M. Hammad, and Suhair Sunoqrot*

*Department of Pharmacy, Faculty of Pharmacy, Al-Zaytoonah University of Jordan, Amman
11733, Jordan*

***Corresponding Author:**

Suhair Sunoqrot, PhD
Associate Professor of Pharmaceutics
Department of Pharmacy
Faculty of Pharmacy
Al-Zaytoonah University of Jordan
P.O. Box 130, Amman 11733, Jordan
Phone: +962-6-4291511 Ext. 197
Fax: +962-6-4291432
Email: suhair.sunoqrot@zuj.edu.jo

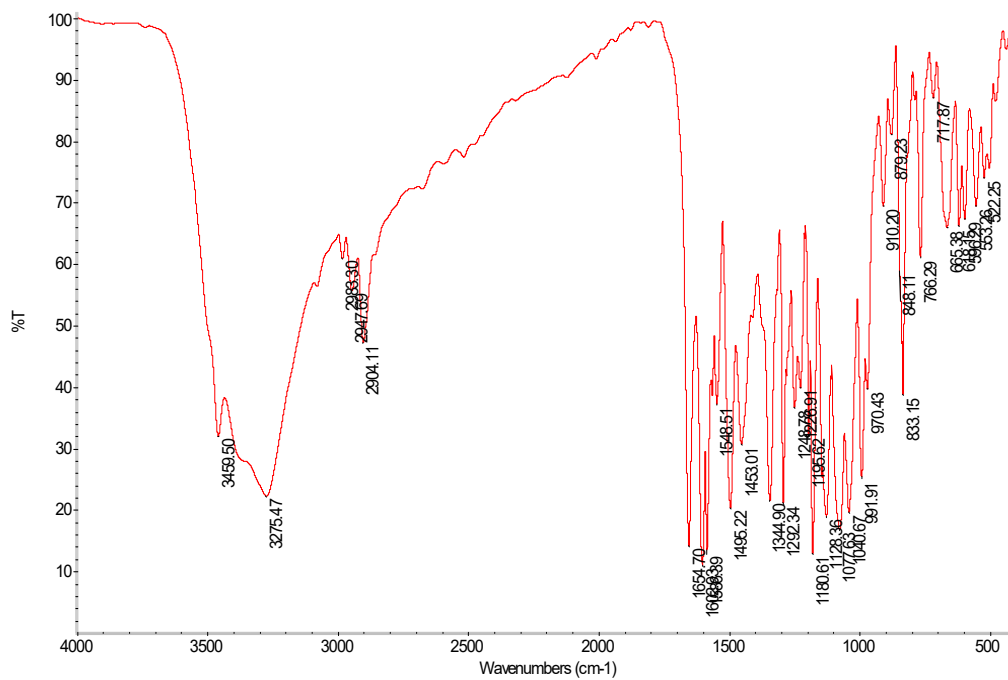


Figure S1. IR spectrum of ROF.

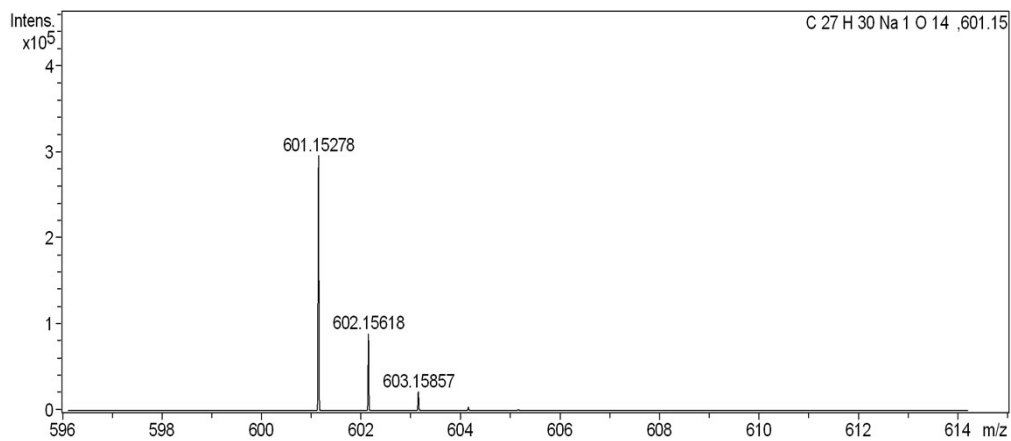


Figure S2. Mass spectrum of ROF.

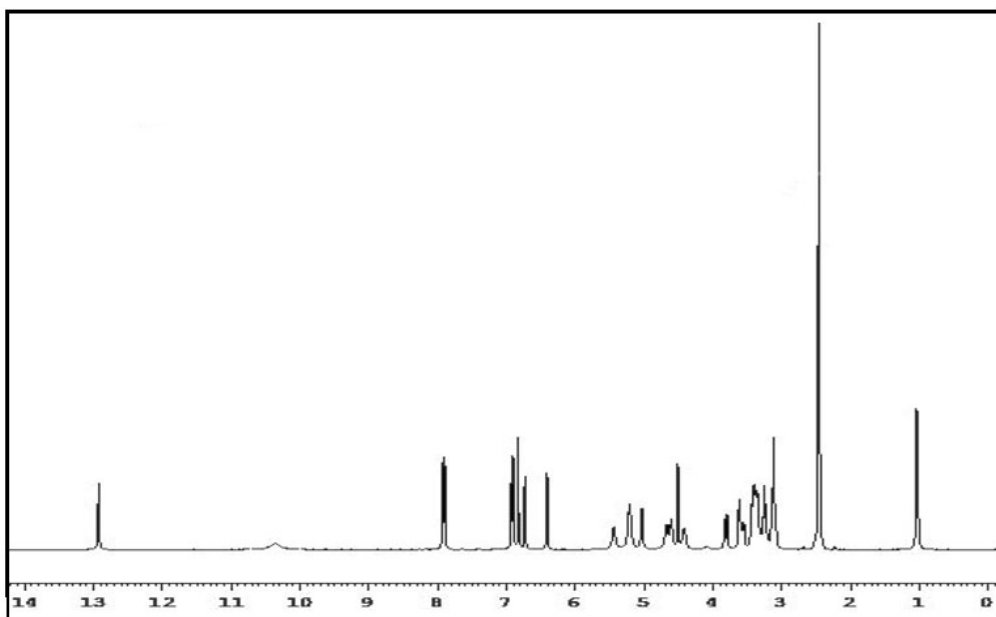


Figure S3. ^1H NMR (DMSO-d_6) spectrum of ROF.

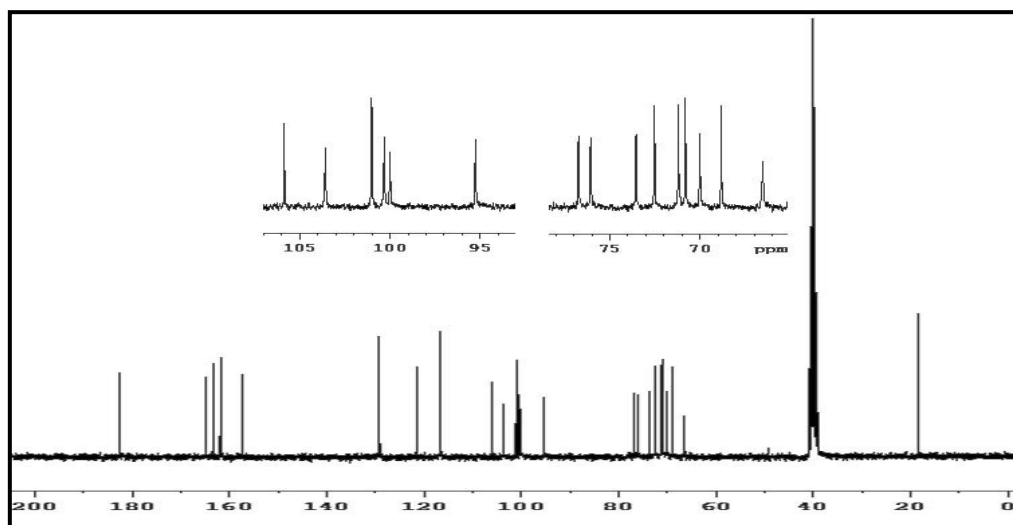


Figure S4. ^{13}C NMR (DMSO-d_6) spectrum of ROF.

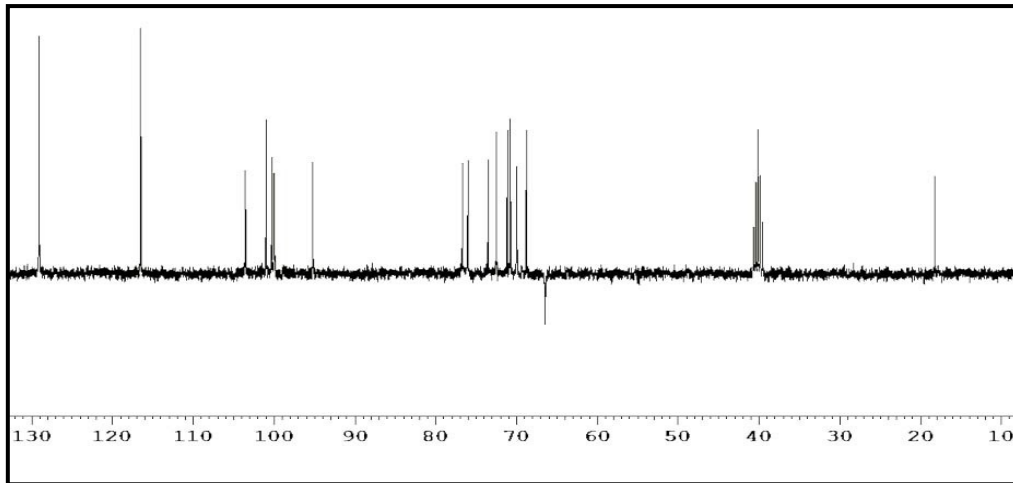


Figure S5. DEPT 135(DMSO-d₆) spectrum of ROF.

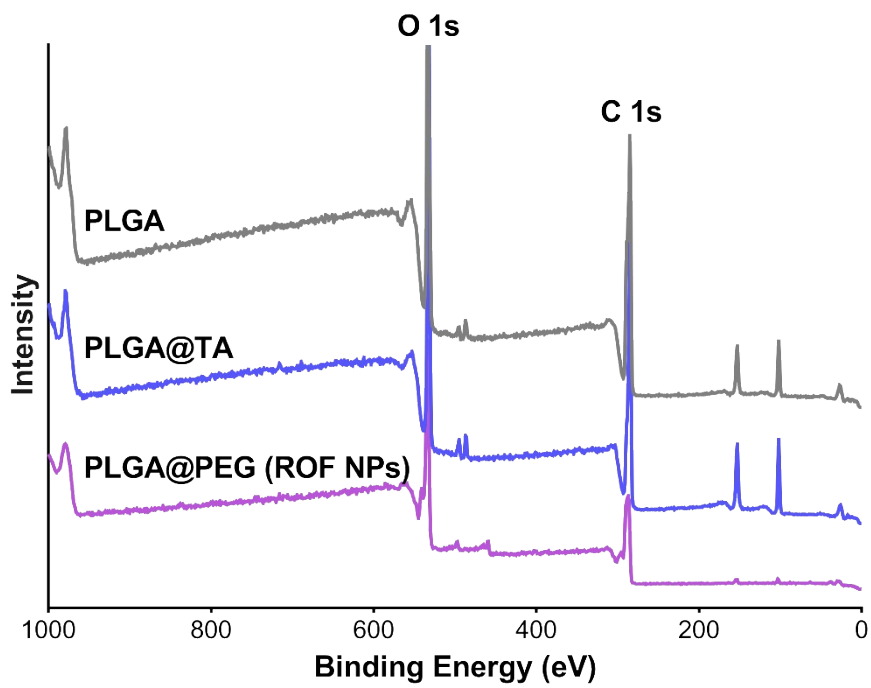


Figure S6. XPS Survey scans of ROF NPs before and after TA coating and PEGylation.

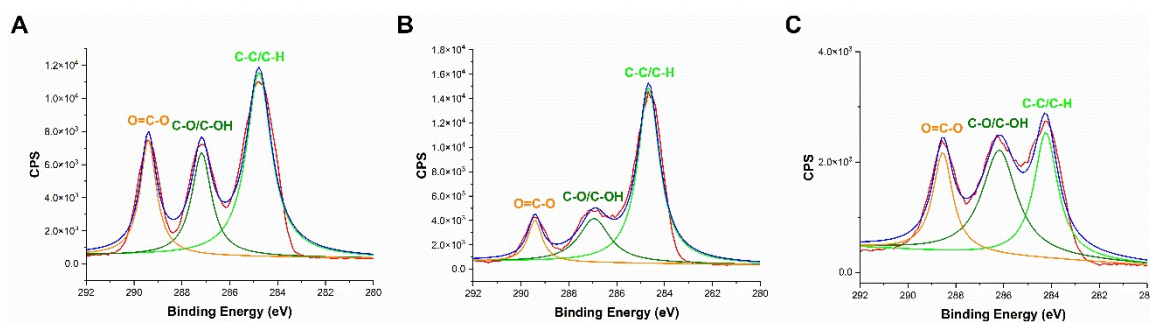


Figure S7. Deconvoluted high-resolution spectra of C 1s regions of (A) uncoated PLGA NPs, (B) PLGA@TA NPs, and (C) PLGA@PEG NPs.

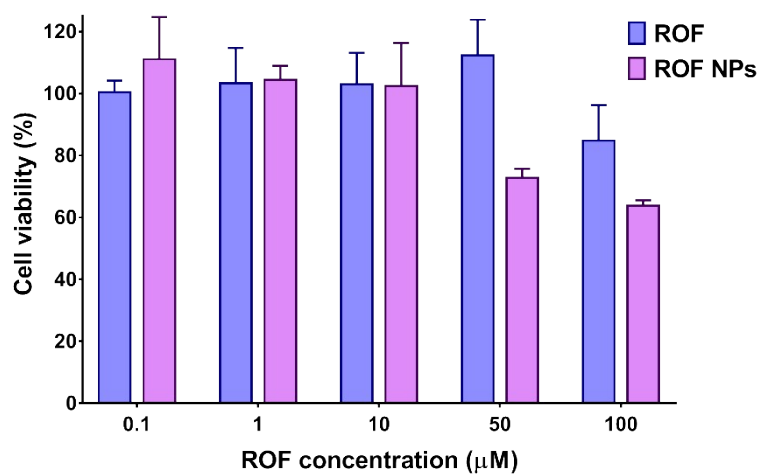


Figure S8. Cell viability of RAW 264.7 macrophages incubated with various concentrations of ROF and ROF NPs for 24 h (n=5).