

Supplementary Materials

Nedaplatin/*Peganum harmala* Alkaloids Co-Loaded Electrospun, Implantable Nanofibers: A Chemopreventive Nano-Delivery System for Treating and Preventing Breast Cancer Recurrence after Tumorectomy

Nada K. Sedky ^{1,†}, Kholoud K. Arafa ^{2,†}, Manal M. M. Abdelhady ³, Marwa Y. Issa ⁴,
Nour M. Abdel-Kader ^{1,5}, Noha Khalil Mahdy ⁶, Fatma A. Mokhtar ⁷, Mohammad Y. Alfaifi ⁸
and Sherif Ashraf Fahmy ^{9,*}

¹ Department of Biochemistry, School of Life and Medical Sciences, University of Hertfordshire Hosted by Global Academic Foundation, R5 New Garden City, New Administrative Capital, Cairo 11835, Egypt

² Drug Design and Discovery Lab, Zewail City for Science, Technology and Innovation, Cairo 12578, Egypt

³ Clinical Pharmacy Department, Faculty of Pharmacy, Badr University, Cairo 11829, Egypt

⁴ Department of Pharmacognosy, Faculty of Pharmacy, Cairo University, Kasr El-Aini Street, Cairo 11562, Egypt

⁵ Department of Biochemistry, Faculty of Science, Ain Shams University, Cairo 11566, Egypt

⁶ Department of Pharmaceutics and Industrial Pharmacy, Faculty of Pharmacy, Cairo University, Kasr El-Aini Street, Cairo 11562, Egypt

⁷ Department of Pharmacognosy, Faculty of Pharmacy, El Saleheya El Gadida University, El Saleheya El Gadida 44813, Egypt

⁸ Biology Department, Faculty of Science, King Khalid University, Abha 9004, Saudi Arabia

⁹ Department of Chemistry, School of Life and Medical Sciences, University of Hertfordshire Hosted by Global Academic Foundation, R5 New Garden City, New Capital, Cairo 11835, Egypt

* Correspondence: sheriffahmy@aucegypt.edu; Tel.: +20-1222613344

† These authors contributed equally to this work.

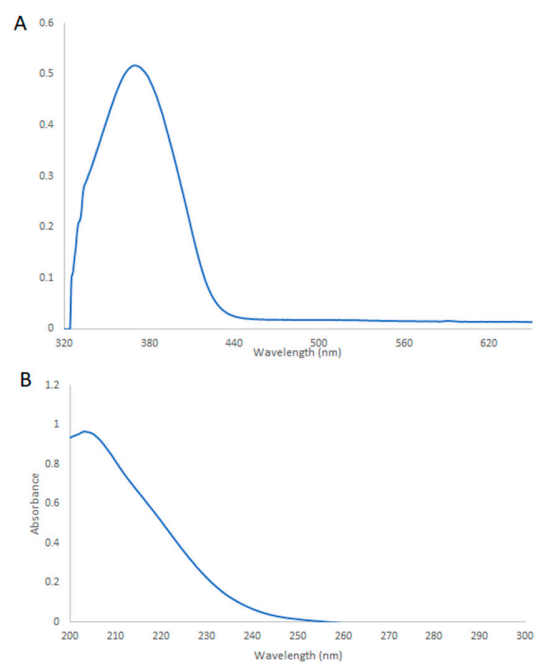


Figure S1. UV Spectra of (A) L and (B) N

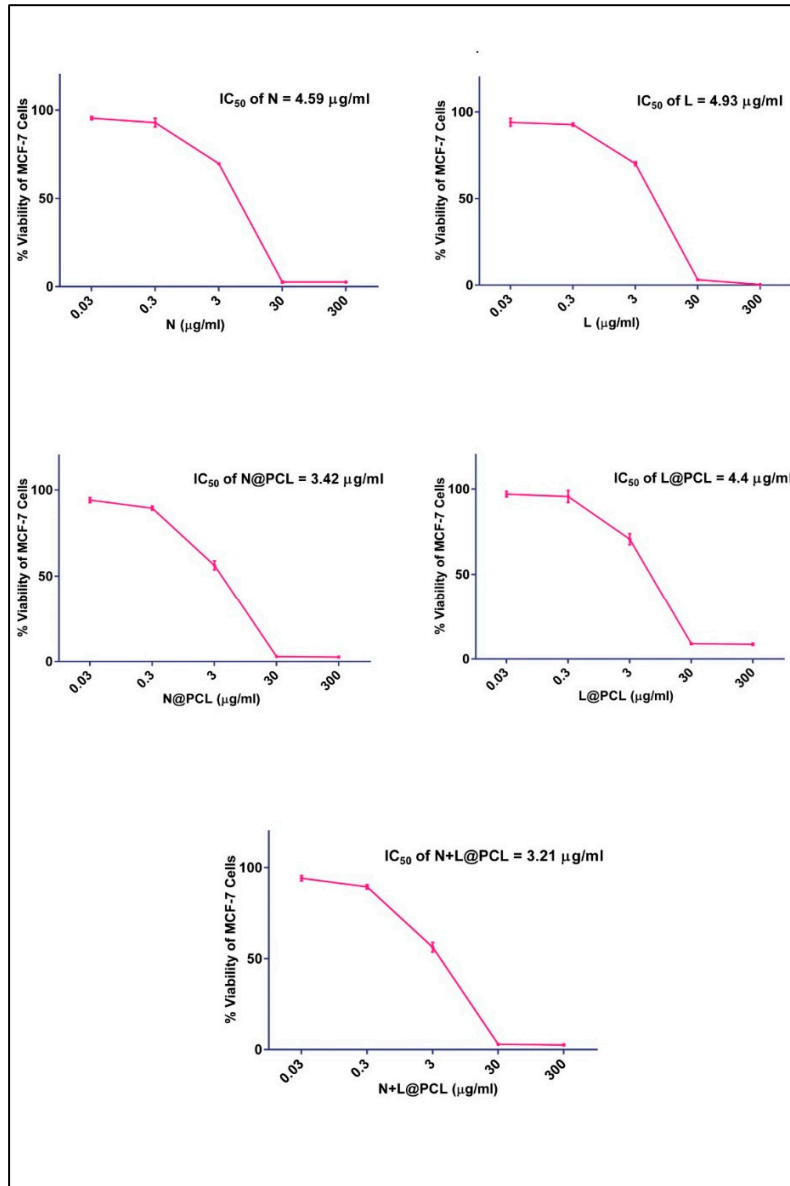


Figure S2. Dose-response curves show the % viability of MCF-7 after exposure to the test specimens.

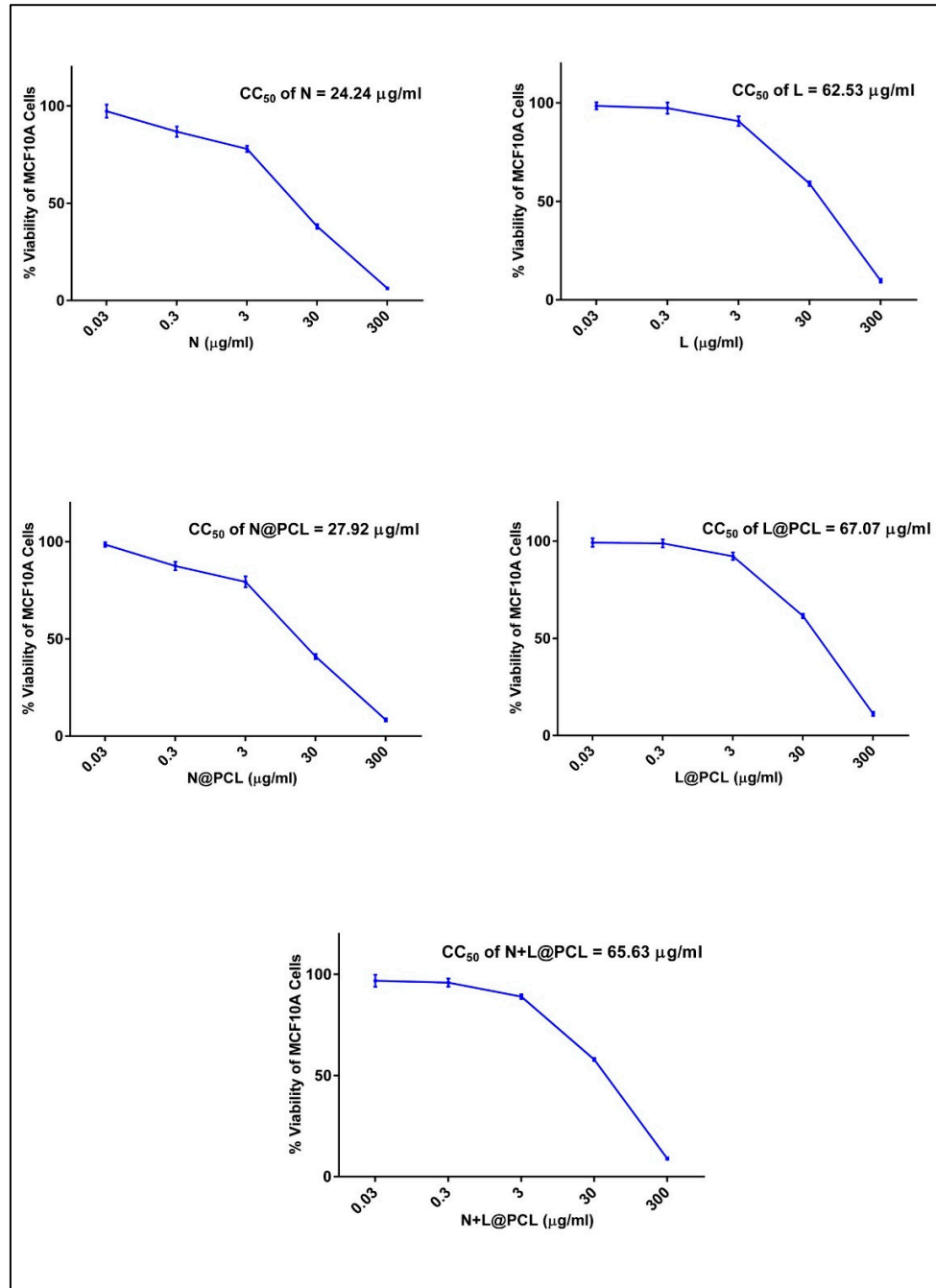


Figure S3. Dose-response curves show the % viability of normal breast epithelial cell lines (MCF10A) after exposure to the test specimens.