

Title:

In vitro-in vivo assessments of apocynin-hybrid nanoparticles-based gel as an effective nanophytomedicine for treatment of rheumatoid arthritis

Authors:

Reham Mokhtar Aman^{1*}. Randa Ahmed Zaghloul². Wael M. Elsaed³. Irhan Ibrahim Abu Hashim¹

¹*Department of Pharmaceutics, Faculty of Pharmacy, Mansoura University, Mansoura, Dakahlia, 35516, Egypt*

²*Department of Biochemistry, Faculty of Pharmacy, Mansoura University, Mansoura, Dakahlia, 35516, Egypt*

³*Department of Anatomy and Embryology, Faculty of Medicine, Mansoura University, Mansoura, Dakahlia, 35516, Egypt.*

***Corresponding Author:**

Reham Mokhtar Aman, Ph. D.

Lecturer of Pharmaceutics

Department of Pharmaceutics

Faculty of Pharmacy - Mansoura University

El-Gomhoria Street, Mansoura, Dakahlia, 35516, Egypt

Phone : +201005070447 ; Fax : +20502247496

E-mail address : rehamaman@mans.edu.eg

ORCID: <https://orcid.org/0000-0002-7525-1766>

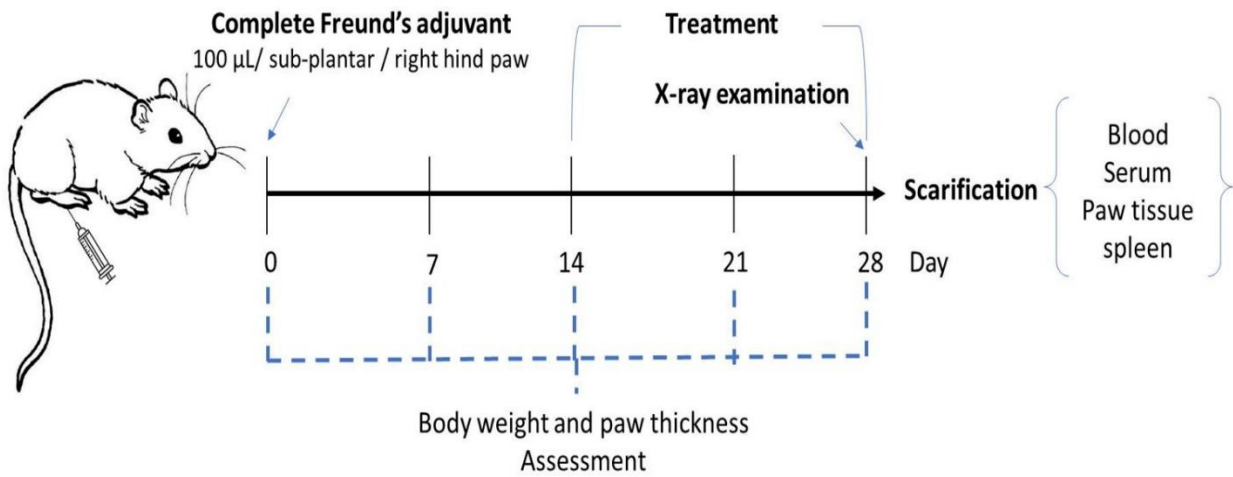


Fig. S1 Schematic representation of the experimental design