

Enhancing pharmaceutical potential and oral bioavailability of *Allium cepa* nanosuspension in male albino rats using response surface methodology

Running Title

Pharmaceutical potential of *Allium cepa* nanosuspension

Fatiqa Zafar^{1*}, Nazish Jahan², Shaukat Ali², Saba Jamil², Riaz Hussain³, Saba Aslam⁴

¹Department of Chemistry, University of Sahiwal, Sahiwal, Pakistan

²Department of Chemistry, University of Agriculture, Faisalabad, Pakistan

³Department of Chemistry, University of Okara, Okara, Pakistan

⁴Govt. Graduate College for Women, Sargodha Road, Faisalabad, Pakistan

***Corresponding author**

Dr. Fatiqa Zafar

Lecturer, Department of Chemistry, University of Sahiwal, Sahiwal, Pakistan

E-mail: fatiqazafar@uosahiwal.edu.pk

Phone: +92-40-9200430



Supplementary Figure 1. Optimized *Allium cepa* nanosuspensions.

A10 (Freshly prepared nanosuspension), **A11** [Optimized nanosuspension stored at room temperature (25-30 °C)], **A12** (Optimized nanosuspension stored at 4 °C).