

### INFLUENCE OF ANTISOLVENT ADDITION ON CRYSTALLIZATION KINETICS AND GRANULOMETRIC PROPERTIES OF FOSAMPREXAR CALCIUM

Valentina Barabović,<sup>1</sup> Ivica Šušteršič,<sup>2</sup> Jasna Pilič-Karstun<sup>1</sup>

<sup>1</sup>Faculty of Technical Engineering and Technology, University of North, North, Croatia  
<sup>2</sup>Company for water, Jasenovac, Croatia

**Introduction:** The aim of this research was to study the influence of the addition of different amounts of antisolvent on the crystallization kinetics and granulometric properties of Fosamprexar Calcium. The results show that the addition of antisolvent significantly affects the crystallization rate and the final particle size distribution.

**Materials:** Fosamprexar Calcium, antisolvent, water.

**Methods:** The crystallization kinetics were studied using a laser light scattering technique. The granulometric properties were determined by laser diffraction.



**Conclusion:** The addition of antisolvent significantly affects the crystallization kinetics and granulometric properties of Fosamprexar Calcium. The results show that the addition of antisolvent leads to a faster crystallization rate and a shift towards smaller particle sizes.

**References:** [1] Barabović, V., Šušteršič, I., Pilič-Karstun, J. (2023). Influence of Antisolvent Addition on Crystallization Kinetics and Granulometric Properties of Fosamprexar Calcium. *Journal of Pharmaceutical Sciences*, 112(1), 1-10.

**Keywords:** Crystallization kinetics, granulometric properties, antisolvent addition, Fosamprexar Calcium.

**Correspondence:** Jasna Pilič-Karstun, Faculty of Technical Engineering and Technology, University of North, North, Croatia. Email: j.pilic@unin.hr

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