



SDI Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	Ms_JPRI_68076
Title of the Manuscript:	Systemic Review of Screening the Shapes of Ibuprofen Particles in Different Solvents
Type of the Article	Review Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/journal/10/editorial-policy>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	<p>1- The abstract should be more informative . information about physical and pharmacological changes upon morphological changes should be stated</p> <p>2- Main information should be included in the abstract. The R (-) isomer is biologically inactive while the S (+) isomer is active. E.g. "The R (-) form however is slowly converted (Figure 3-3) to the S (+) active form during metabolism in the human body by the presence of the enzyme isomerase (2-arylpropionyl-CoA epimerase)." " ibuprofen crystallized from solvents with a high hydrogen bonding ability like methanol will form chunky crystals and low hydrogen bonding solvents like hexane will form needle like crystals "</p> <p>3- References need updating , use recent references e.g. Marinova, V., Wood, G. P., Marziano, I., & Salvalaglio, M. (2019). Solvent Dynamics and Thermodynamics at the Crystal–Solution Interface of Ibuprofen. <i>Crystal Growth & Design</i>, 19(11), 6534-6541.</p> <p>Irvine, Jake, Afrina Afrose, and Nazrul Islam. "Formulation and delivery strategies of ibuprofen: challenges and opportunities." <i>Drug development and industrial pharmacy</i> 44.2 (2018): 173-183.</p> <p>Djekic, Ljiljana, et al. "Comparison of the effect of bioadhesive polymers on stability and drug release kinetics of biocompatible hydrogels for topical application of ibuprofen." <i>Journal of pharmaceutical sciences</i> 108.3 (2019): 1326-1333. And many</p> <p>4- Some references are missed e.g. Rashid, A., White, E. T., Howes, T., Litster, J. D., & Marziano, I. (2011). Crystallization kinetics of ibuprofen from ethanol and aqueous ethanol. <i>Chemical Engineering Transactions</i>, 24, 631-636.</p> <p>5- In conclusion the author stated that " It is not clear what role, if any, crystallization conditions (supersaturation, temperature) have on crystal growth. " , this is not correct see the above reference , you will find answer</p> <p>6- Effect of super saturation and temperature on crystal should be summarized in two short paragraphs with appropriate references</p>	
Minor REVISION comments	<p>1- In page 8, Ibuprofen exhibits quite different morphologies when grown from different solvents. Images of the crystals will now be presented in more detail. Remove now please</p> <p>2- Comma is missed in many sentences , English revision is strongly recommended</p>	
Optional/General comments		



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PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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