Review Form 1.6

Journal Name:	**Journal of Pharmaceutical Research International**
Manuscript Number:	**Ms_JPRI_82773**
Title of the Manuscript:	**DESIGN, SYNTHESIS AND MAO INHIBITOR ACTIVITY OF CHROMAN-4- ONE DERIVATIVE**
Type of the Article	**Original Research 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:

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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	**The paper is interesting and it could deserve publication but it has serious problems.** **1. Nevertheless the English language must be revised by someone knowing it (for example Schiff and not schiff, etc.)** **2. In the Abstract, hMAO is used but not defined.** **3. In point 2.1 please use 1, 2, 3, etc. instead of symbols.** **4. The following points are confusing. Authors must mention what they really calculated (and nothing more). After this they must mention the software used with references and not with a list of what the software does.** **5. Eliminate point 2.2 and simply state that 'the calculations were performed in.. etc.'.** **6. Eliminate point 2.3 (see above point 4).** **7. About 2.4.2 Ligand preparation for pharmacophore model development: This point looks like a lecture for beginners. Some points to be clarified:** **• Generate Stereoisomers. Why????** **• Remove noncompliant structures. How????** **• Perform an energy minimization. What methodology was used? This is very important.** **8. 2.4.3 Generation of the conformers.** **All the following list:** **• No. of steps per rotatable bond-100** **• Pre process minimization steps-100** **• Post process minimization steps-50** **• Force field-OPLS-2005** **• Maximum relative energy defference-10 Kcal/mol** **• RMSD-Cutoff-1A°** **Must be placed in only one phrase, such as 'the conditions to generate conformers were: etc.'** **9. Regarding the remaining of the paper, it must be rewritten again. Authors must avoid giving trivial definition of R, SD, etc. because this is a research paper.** **10. Figs. 8 and 9 need to be done with a better software (there are many free scientific programs going better graphs. Do not forget capital letters!)**	
Minor REVISION comments		
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?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	**JS Gómez-Jeria**
Department, University & Country	**Universidad de Chile, Chile**