

In silico* and *In vitro* evaluation of the anti-virulence potential of patuletin, a natural methoxyflavone, against *Pseudomonas aeruginosa

Title / sub-title	Comments	Example/evidence
Title of manuscript	Appropriate and within the scope of the journal	
Abstract	Sufficient but few grammatical errors	Lines 34-35 (Molecular docking revealed that Patuletin 35 strongly bound (bind) to the active pocket of LasR, with a high affinity value of -20.96 kcal/mol) Line 45(Overall , this study demonstrated that Patuletin...), can use 'in summary, generally,
Introduction	1. Too much literature on <i>Pseudomonas aeruginosa</i> and yet is not main content of study. 2. paragraph rearranging 3. language	- Covers Lines 61-74, 74 -91 - a maximum of four lines/statements is sufficient. - the literature on flavonoids is recommendable (lines 99-110). - however replace the word 'near' with 'similar'(line 101 ---Numerous flavonoids, that are very near in structure to Patuletin) The paragraph starting with line 92 could have been the first paragraph under 'introduction'. Authors should avoid use of first-person pronouns (we, me etc). line 112, 136 260, 297, 314, (e.g line 112..us to examine the <i>in silico</i> and <i>in vitro</i> potential of Patuletin against LasR protein....)
Experimental design	- well-designed but so summarised that duplication could be a challenge in future - under materials and methods, procedures are not clear	For procedure not clear, consider lines 122, 125, 125; the sentences are starting with the word 'was'. Maybe the authors connect the sub-title with the

		next line make them one sentence. This is confusing.
Results	- good results - Figures of compounds are relative large - graphs are relatively large in size covering a whole page occasionally spilling over	- Figure 2. Authors may use ACS document 1996 (ChemDraw)
General	Originality Valid of data Statistical analysis Publication	• This is good contribution to research on flavonoids and their bioactivity • data is accurate; methods used to obtain data are standard • statistical analysis is sufficient to inform discussion and conclusions; the GraphPad Prism 7 software is very good for this kind of data. • manuscripts can be published based on the originality of the authors' work subject to corrections suggested