



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_22277
Title of the Manuscript:	Synthesis and evaluation of in vitro antibacterial properties of secoisolariciresinol diglucoside
Type of the 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/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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		
Minor REVISION comments	-Line 50-51 – the author's say : " Additionally, isolation methods involve use of chemicals and reagents which may cause deleterious effects on animals including humans " What do you mean ? Chemical synthesis isn't as dangerous as isolation techniques? -Regarding SDG synthesis, you only describe parallel reactions yield. Can you tell the yield of the whole 5 step reaction? -I believe that if you number the SDG structure, it will provide a better understanding regarding the discussion of its chemical shifts. -Line 213-215 – the author's say: "Furthermore, purification process needed less time, as all the starting materials can be removed easily by flash chromatography, and purification of the products can be carried out by column chromatography." Which eluents did you use to purify your substance, in which proportion? What was the stationary phase and its particle size? Line 268-269 – The author's say : "It would also assist for development of a new alternative medicine system which	-Line 50-51-We welcome your suggestion; here, I didn't mean that Chemical synthesis isn't as dangerous as isolation techniques. However, the sentence was specific for the isolation of SDG as per the referenced mentioned study. - Every step has separate reaction and yield, so we made the yields separately for the intermediate and the target compound. - The SDG structure has numbered and provide in page 15 line number 348. - Line 213-215 -Flash column chromatography was generally performed on silica gel (60 - 200 mesh) for purification of the compounds with the solvent mixture of chloroform/hexane. And the proportion is changed based on the steps product. - Line 268-269 – The sentence is rephrased properly.



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	has no side effects and opens the possibility of finding new clinically effective antimicrobial compounds and production of new antibiotics” Please rephrase that, there is no such medicine with no side effects whatsoever, there are medicines with less or more side effects.	
<u>Optional/General</u> comments		