



**SDI Review Form 1.6**

Journal Name:	<a href="#">International Research Journal of Pure and Applied Chemistry</a>
Manuscript Number:	Ms_IRJPAC_34259
Title of the Manuscript:	Simple Synthesis of Sulfonyl Amidine-Containing Glucosidase Inhibitors by a Chemoselective Coupling Reaction Between D-Gluconothiolactam and Sulfonyl Azides
Type of the Article	Short 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:

(<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)
<b><u>Compulsory</u></b> REVISION comments		
<b><u>Minor</u></b> REVISION comments	<p>In this paper, a simple synthetic approach of gluconoamidinylsulfones has been developed by coupling of D-gluconothiolactam and sulfonyl azides . And gluconoamidinylsulfone 1 exhibits a better inhibition on alpha and beta glucosidases than a known inhibitor, 1-deoxynojirimycin.</p> <p>However, I have following questions or suggestions for authors:</p> <ol style="list-style-type: none"> <li>1&gt; In materials section, it is better to show the company information of reagents.</li> <li>2&gt; Line 119, the sentence is not clear.</li> <li>3&gt; The <math>K_i</math> values of 1-deoxynojirimycin are better to be added in Table 1.</li> <li>4&gt; Gluconoamidinylsulfones 1 and 2 show different inhibition on alpha and beta glucosidases. If authors can further analyse the interactions between inhibitors and glucosidases by molecular docking. It will make this paper stronger.</li> </ol>	
<b><u>Optional/General</u></b> comments		

**Reviewer Details:**

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