



SDI Review Form 1.6

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	2014_IJBcRR_15784
Title of the Manuscript:	Kinetics For The Inhibition of Serum Acetylthiocholin Esterase Activity by Some New Phenobarbital Derivatives.
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>)



SDI Review Form 1.6

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 subject of the investigation is important, but the manuscript it self suffers from so many defects, that is hardly to point all of them. First of all, I strongly recommend the authors to read thoroughly some 10 articles published in good journals, to compare them with their own manuscript, and to learn the rules of writing scientific papers. Below some of the most important faults are listed. 1. The authors say the compounds tested for their acetylcholinesterase inhibitory activity are <u>new</u>. 1.1. One cannot, however, understand <u>wich exactly are these new compounds</u> since the data given about them in the Introduction, Materials and Methods and Results and Discussion (Table 1) are contradictory. The authors must give the <u>preparative scheme</u> or at least the <u>general formula</u> of these compounds. 1.2. The authors should know the standards for characterizing <u>new</u> compounds and provide data from (at least) <u>elemental analysis, IR and MNR spectra</u> in order <u>to prove</u> the structure of the compounds they claim to have been synthesized for the first time. 2.1. The <u>formula expressing the inhibitory activity</u> seems mistaken. According to me, the correct formula should be: Inhibition (%) = $100 \cdot (1 - A/A_0)$, where A and A₀ are the activities of the enzyme in the presence and	Thanks for your advice .These paper consider the first one I tend to published in international journal alone . Phenobarbital is use as sedative drug and every one know that but I refer to prepared derivatives from these mother compound that is newly or first time tested on AChE activity. All these question you can have answered in reference 17 .The derivatives was prepared and characterized using IR,UV, C.H.N ,AND TESTED IT BIOLOGICAL ACTIVITY TOWARD SOME TYPES OF BACTRIAS That's right some error accrue during print paper I correct it.



SDI Review Form 1.6

	absence of inhibitor, respectively. 2.2. The enzyme inhibition has been measured spectrophotometrically, so it is desirable to be expressed as a <u>function of the optical density</u> (absorbance). 3. I cannot see the <u>standard deviations</u> for no one of the quantities measured. Have the author performed statistical elaboration of their data? 4. The <u>Conclusion</u> is non-informative; if the authors have nothing to say in conclusion, it is better to omit it. 5. The manuscript abounds in <u>grammatical and stylistic mistakes</u>, so I highly recommend the authors to consult a person proficient in English and their native language before submitting the revised manuscript. Special attention should be paid to the <u>list of references</u>; this should be checked thoroughly, and the style unified according to the Journal's requirements.	I calculate the AChE activity in presence and absence of inhibitors from these formula using absorbance. AChE activity = $(\Delta A / 3 \text{ min}) \times 25$. I performed the statistical elaboration. I change it. Thanks for your efforts and useful comment. I did all changes that you see it.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		