



**ESPS PEER-REVIEW REPORT**

**Name of journal:** World Journal of Diabetes

**ESPS manuscript NO:** 30269

**Title:** Insulin-mimetic compound hexaquis (benzylammonium) decavanadate is antilipolytic in human fat cells

**Reviewer's code:** 00495228

**Reviewer's country:** United States

**Science editor:** Jin-Xin Kong

**Date sent for review:** 2016-09-23 17:46

**Date reviewed:** 2016-10-03 20:50

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

**COMMENTS TO AUTHORS**

A manuscript by Carpené et al. describes the effect of a conjugate hexaquis(benzylammonium) decavanadate on lipolysis in adipocytes from multiple species. The studies presented in the manuscript are logical and well designed. The manuscript is well written. The only criticism of the manuscript is that little work has been done to characterize the molecular mechanism behind the effects of the compound on lipolysis. Given the specificity of the inhibition on the adrenergic induced lipolysis by the conjugate, it would be logical to examine if the tested compound can antagonize the beta-adrenergic receptor and lower cAMP levels in adipocytes.



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**Name of journal:** World Journal of Diabetes

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**Title:** Insulin-mimetic compound hexaquis (benzylammonium) decavanadate is antilipolytic in human fat cells

**Reviewer's code:** 00506397

**Reviewer's country:** United States

**Science editor:** Jin-Xin Kong

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
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		<input type="checkbox"/> Duplicate publication	
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		<input checked="" type="checkbox"/> No	

### COMMENTS TO AUTHORS

This is an excellent study. The authors should be encouraged to carefully revise the manuscript (edit the Discussion) to make it more concise). The English writing may benefit from editing by someone who's mother tongue is English