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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology
Manuscript NO: 38104
Title: Oral treatment with plecanatide or dolcanatide attenuates visceral hypersensitivity via activation of guanylate cyclase-C in rat models
Reviewer's code: 03478583
Reviewer's country: United States
Science editor: Ze-Mao Gong
Date sent for review: 2018-01-26
Date reviewed: 2018-01-29
Review time: 3 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[Y] Grade A: Priority publishing	Google Search:	[ ] Accept
[Y] Grade B: Very good	[ ] Grade B: Minor language polishing	[ ] The same title	[Y] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[ ] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

This is a very straight-forward and well-written manuscript describing the effects of two GCC agonists on attenuation of visceral hypersensitivity in animal and cell models of IBS. The manuscript could be improved by addressing these few comments: 1) The peptide concentrations in the in vitro experiments were pretty high (1 or 10 uM). How were these concentrations chosen and do they reflect what concentrations of these compounds might be present after an oral dose in the GI tract? It would be nice to see a dose-dependent effect rather than just choosing one dose of each agent. Same for the colon tissue preparations. 2) Were any controls run with linaclotide? It would be interesting to see in comparison because it is a GCC agonist of a different structural class. The authors do cite work indicating that linaclotide produces similar effects (ref 38), but would be nice as a control for at least the in vitro experiments. 3) Gender of the animals

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used wasn't specified, were they all males?

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology
Manuscript NO: 38104
Title: Oral treatment with plecanatide or dolcanatide attenuates visceral hypersensitivity via activation of guanylate cyclase-C in rat models
Reviewer's code: 03656586
Reviewer's country: China
Science editor: Ze-Mao Gong
Date sent for review: 2018-01-26
Date reviewed: 2018-01-30
Review time: 4 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[ ] Accept
[ ] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[Y] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[Y] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

There are not many researches on plecanatide or dolcanatide attenuates visceral hypersensitivity. The author have made preliminary experimental studies and obtained good experimental results, providing the theory for the treatment of hronic idiopathic constipation (CIC) and irritable bowel syndrome with constipation (IBS-C) guide Some suggestions:There are too many References in the article; Since the study of visceral hypersensitivity, some of the classic experimental methods are not used, such as abdominal withdrawal reflex, hoping to add.