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Flat C, 23/F., Lucky Plaza,  
315-321 Lockhart Road,  
Wan Chai, Hong Kong, China

## ESPS Peer-review Report

**Name of Journal:** World Journal of Gastroenterology

**ESPS Manuscript NO:** 7341

**Title:** BOWMAN-BIRK INHIBITORS FROM LEGUMES AS COLORECTAL CHEMOPREVENTIVE AGENTS

**Reviewer code:** 02440197

**Science editor:** Gou, Su-Xin

**Date sent for review:** 2013-11-14 18:24

**Date reviewed:** 2014-01-30 14:33

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

The manuscript "Bowman-Birk inhibitors from legumes As colorectal chemopreventive agents" is a review that summarized the recent studies on the role and mechanisms of dietary BBI in the prevention or suppression of cancer development and associated inflammatory disorders within the GIT. It gives us new insight into the potential of BBI as colorectal chemopreventive agents. This manuscript is written in proper english and orgnized well. The tables and figures are in right format and presented appropriately. More details on the therapeutic targets and action mechanism of BBI should be discussed.



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**Reviewer code:** 00068527

**Science editor:** Gou, Su-Xin

**Date sent for review:** 2013-11-14 18:24

**Date reviewed:** 2014-02-10 23:57

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A (Excellent)	<input type="checkbox"/> Grade A: Priority Publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B (Very good)	<input checked="" type="checkbox"/> Grade B: minor language polishing	<input type="checkbox"/> Existed	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C (Good)	<input type="checkbox"/> Grade C: a great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

In this Topic Highlights the Authors made an updated review on the chemopreventive and antitumor properties against colorectal cancer (CRC) of the naturally-occurring serine protease inhibitors BBI (Bowman-Birk inhibitors), mainly contained in legumes, such as soybean, pea, lentil or chickpea, also discussing these properties at molecular and mechanistic level. In particular, they made a detailed description of the molecular features that make these legume-derived inhibitors functionally and structurally resistant to the challenges (acidic environment and the action of digestive enzymes) of the gastrointestinal tract (GIT), and mentioned the current knowledge on possible mechanism/s involved in their chemopreventive/antitumor activity. The possible utility of these dietary compounds for the treatment of inflammatory diseases of GIT has also been reviewed and discussed. In general, the manuscript is well written and gives an exhaustive update on the topic, reporting about 100 references, and can be of great utility for researchers and clinicians involved in the development of innovative preventive and therapeutic strategies for CRC and inflammatory diseases of GIT, using plant-derived compounds. It is therefore acceptable for publication pending minor revisions concerning some English Grammar errors that should be corrected. I attach a pdf copy of the paper with my suggestion at the following pages: - pg. 1 (last lines) and 2 (first line) - pg. 5 - pg. 6 - pg. 9 - pg. 10 - pg. 13