**Name of journal:** World Journal of Pharmacology  
**Manuscript NO:** 87821  
**Title:** Natural isothiocyanates of the genus Capparis as potential agonists of apoptosis and antitumor drugs  
**Provenance and peer review:** Unsolicted manuscript; Externally peer reviewed  
**Peer-review model:** Single blind  
**Reviewer’s code:** 06290020  
**Position:** Peer Reviewer  
**Academic degree:** N/A  
**Professional title:** N/A  
**Reviewer’s Country/Territory:** Brazil  
**Author’s Country/Territory:** Israel  
**Manuscript submission date:** 2023-08-30  
**Reviewer chosen by:** AI Technique  
**Reviewer accepted review:** 2023-09-04 23:50  
**Reviewer performed review:** 2023-09-14 23:00  
**Review time:** 9 Days and 23 Hours

### Scientific quality
- **[ Y ]** Grade A: Excellent  
- **[ ]** Grade B: Very good  
- **[ ]** Grade C: Good  
- **[ ]** Grade D: Fair  
- **[ ]** Grade E: Do not publish

### Novelty of this manuscript
- **[ Y ]** Grade A: Excellent  
- **[ ]** Grade B: Good  
- **[ ]** Grade C: Fair  
- **[ ]** Grade D: No novelty

### Creativity or innovation of this manuscript
- **[ Y ]** Grade A: Excellent  
- **[ ]** Grade B: Good  
- **[ ]** Grade C: Fair  
- **[ ]** Grade D: No creativity or innovation
## Scientific significance of the conclusion in this manuscript

- **Grade A: Excellent**
- **Grade B: Good**
- **Grade C: Fair**
- **Grade D: No scientific significance**

## Language quality

- **Grade A: Priority publishing**
- **Grade B: Minor language polishing**
- **Grade C: A great deal of language polishing**
- **Grade D: Rejection**

## Conclusion

- **Accept (High priority)**
- **Accept (General priority)**
- **Minor revision**
- **Major revision**
- **Rejection**

## Re-review

- **Yes**
- **No**

## Peer-reviewer statements

- **Anonymous**
- **Onymous**

## Conflicts-of-Interest

- **Yes**
- **No**

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**SPECIFIC COMMENTS TO AUTHORS**

**Title:** Natural isothiocyanates of the genus Capparis as potential agonists of apoptosis and antitumor drugs by Hanuš et al.  
Cancer is a severe and progressively advancing disease. In this context, the study by Hanuš et al. sheds light on the field of Phytomedicine based on medicinal plants in cancer. These authors have focused on isothiocyanates, which exhibit active and significant anticancer activity, along with their anticancer compounds. In this manner, these authors have endeavored to establish a scientific foundation for the traditional use of this medicinal plant in cancer treatment.  
#I have observed that the topic exhibits originality and relevance within the field, effectively addressing a specific gap in current research.  
#The methodology is fine and no further control is required.  
#I found the conclusion to be in line with the evidence and arguments presented.  
#The references are well-updated.  
#The Figures and Tables are ok.  
#Only minor English language editing is required.  
Overall Nice Work!