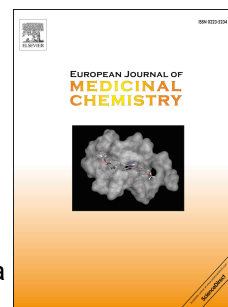


# Accepted Manuscript

Synthesis and evaluation of *N*-heteroaromatic ring-based analogs of piperlongumine as potent anticancer agents

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## Synthesis and evaluation of N-heteroaromatic ring-based analogs of piperlongumine as potent anticancer agents

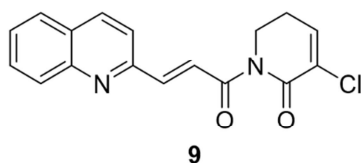
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### Graphical Abstract



- 64-Fold greater soluble in PBS (pH = 5) than piperlongumine (PL)
- Stronger cytotoxicity than PL against three colon cell lines
- More selectively enhanced ROS levels than PL in colon cells
- Suppressed tumor growth in mice comparable to PL

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