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Design, synthesis and biological evaluation of novel non-peptide boronic acid derivatives as proteasome inhibitors

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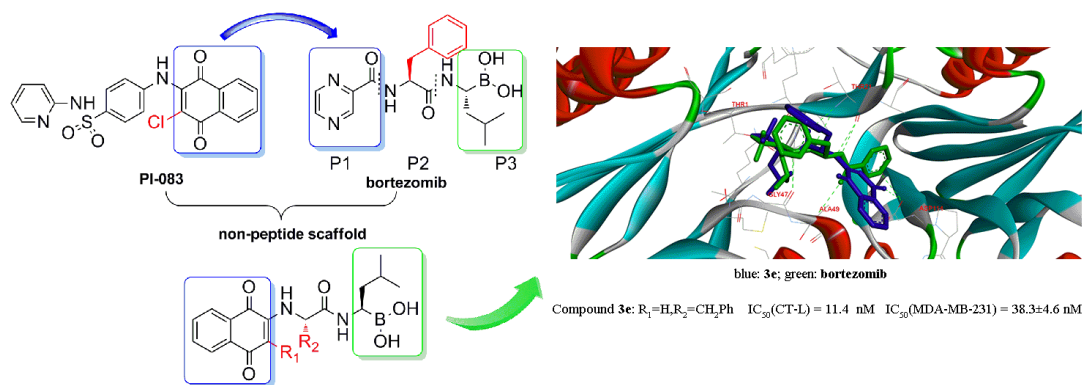
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Graphical abstract

Fifteen novel non-peptide compounds were developed. Compound **3e** exhibited the inhibitory activities of CT-L and solid tumor cell in the nanomolar range, and showed more improved metabolic stability than bortezomib.



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