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

Ying Ge, Aibo Li, Jianwei Wu, Haiwei Feng, Letian Wang, Hongwu Liu, Yungen Xu, Qingxiang Xu, Li Zhao, Yuyan Li

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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.