Supplementary Information

Discovery of a potent and highly β1 specific proteasome inhibitor from a focused library of urea-containing peptide vinyl sulfones and peptide epoxyketones

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Figure S1: NMR spectra of new compounds

Compound 1
Compound 2
Compound 4
Compound 5
Compound 6
Compound 7
Compound 9
Compound 10
Compound 12
Compound 13
Compound 14
Compound 15
Compound 16
Compound 17

[Chemical structure image]

[Chemical structure image]

[1H NMR spectrum image]

[13C NMR spectrum image]
Compound 20

[Diagram of Compound 20]
Compound 22
Compound 23
Compound 24
Compound 25
Compound 27
Compound 28
Compound 30

[Chemical structure and NMR spectra]
Compound 33
Compound 34
Compound 35
Compound 37
Compound 40
Compound 42
Figure S2: gels of competition assay in living HEK293T cells

Typhoon readout of competition assay in living HEK293T cells of indicated inhibitors versus MVB003

Coomassie Brilliant Blue staining of gels