SUPPORTING INFORMATION

IDENTIFICATION AND CHARACTERIZATION OF A NEW CHEMOTYPE OF NON-COVALENT SENP INHIBITORS

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Supporting Information

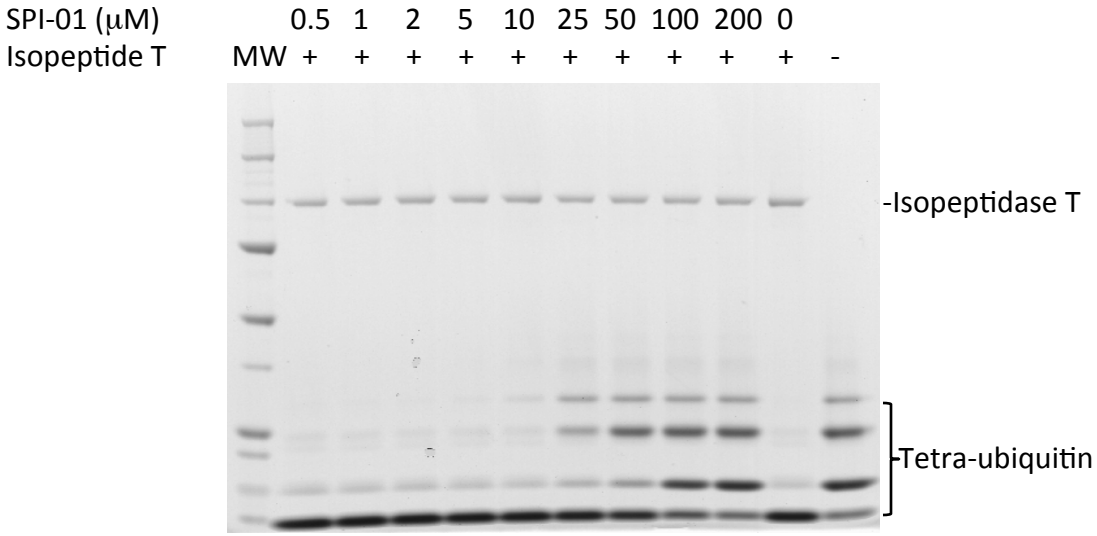

Figure S1. Isopeptidase T cleavage of tetra-ubiquitin. The concentration of Isopeptidase T was 0.2 μM and tetra-ubiquitin was at 0.4 μg/μL in a reaction volume of 10 μL. Both enzyme and substrate were obtained from Boston Biochem, Inc. The IC_{50} for inhibition was approximately 25 μM.

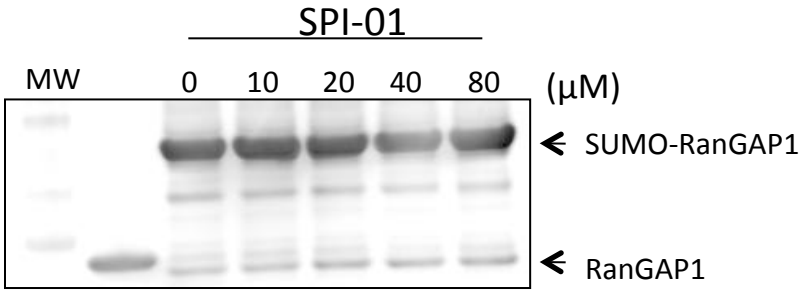

Figure S2. SPI-01 did not inhibit RanGAP1-SUMO conjugation reaction. The reaction mixture contained 0.05 μM E1, 0.05 μM Ubc9, 10 μM RanGAP1 domain encompassing residues 418-587, 10 μM mature SUMO1, and 2 mM ATP in 50 mM Tris buffer, pH 7.5. SPI-01 was added to and incubated with RanGAP1-SUMO conjugation reaction at the indicated concentrations. The reactions were held at 37°C for 20 min and the results were analyzed by SDS-PAGE.

Table S1. Assignments of the C-terminal residues of the SUMO-1 precursor

Res	HN	NH	CA	CB	CO
H98	8.149	119.397	56.254	-	-
S99	8.007	125.368	57.511	-	174.729
T100	8.200	116.528	61.681	69.676	174.365
V101	7.957	122.100	62.006	32.739	175.597