

## Discovery of Novel Cinnamylidene-Thiazolidinedione Derivatives as PTP-1B Inhibitors for the Management of Type 2 Diabetes

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### Supplementary Data

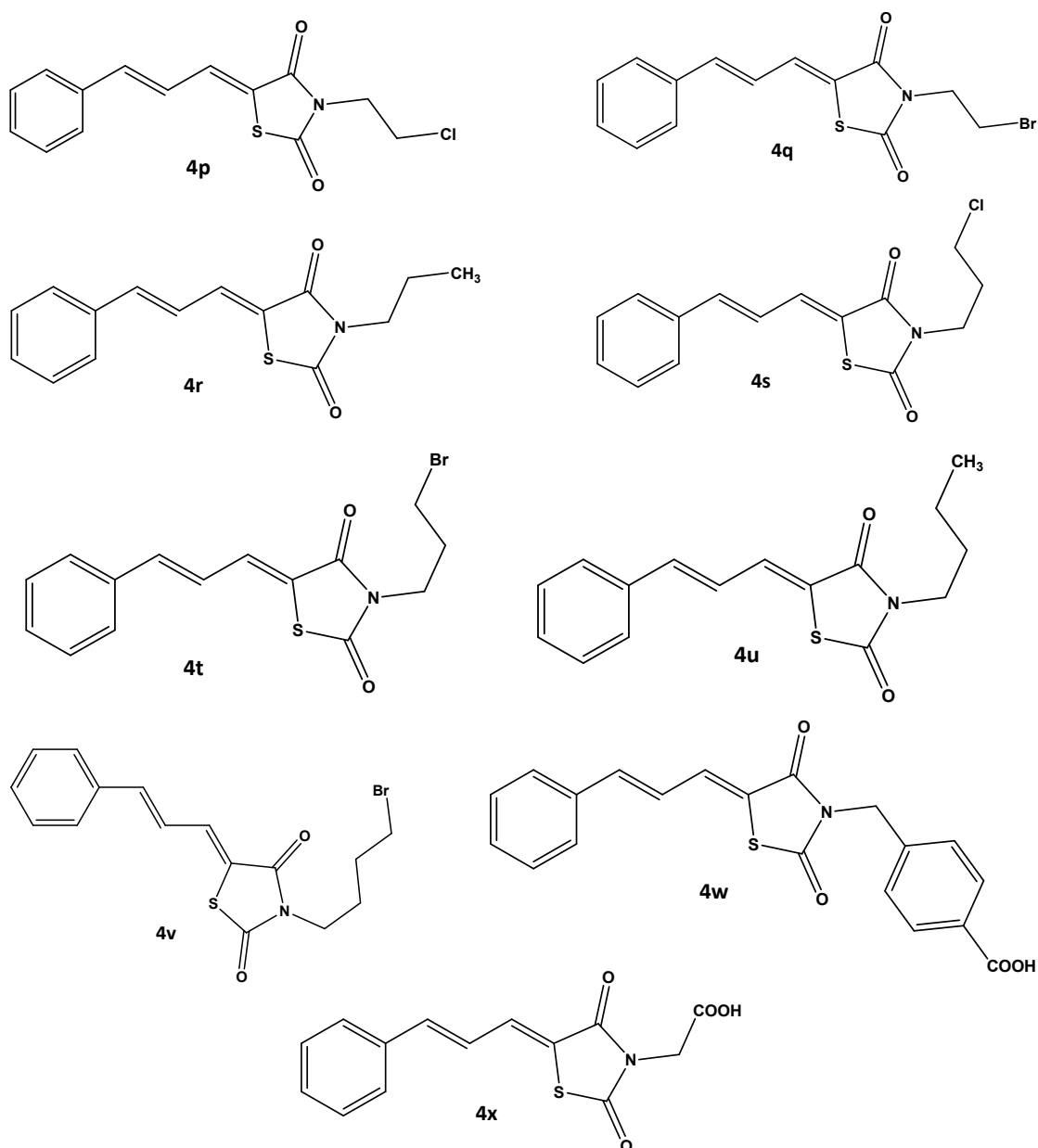
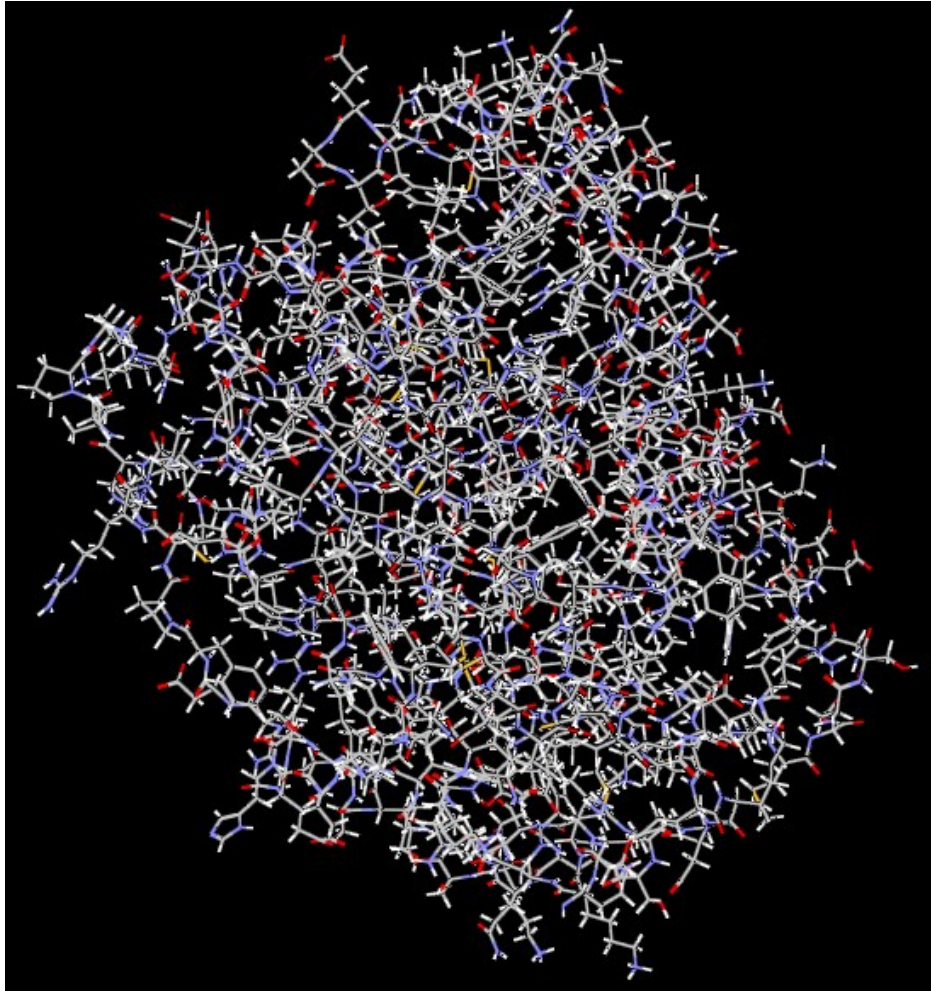


Figure S1 Structure of synthesized cinnamylidene-thiazolidinedione derivatives (4p-x)

**Table S1** Numeric data of change in body weight after treatment with cinnamylidene-thiazolidinedione derivatives (4p-x) in diabetic mice

S. No.	Body Weight (g)	
	0 Day	7 <sup>th</sup> Day
<b>Control</b>	29.33±0.47	26.33±0.24
<b>Pioglitazone</b>	24.33±2.09	26.67±1.93
<b>4p</b>	27.33±0.24	29.33±0.62
<b>4q</b>	25.67±1.31	26.33±1.18
<b>4r</b>	27.67±0.85	27.67±0.85
<b>4s</b>	27.00±4.24	27.67±3.06
<b>4t</b>	25.00±2.55	26.33±2.39
<b>4u</b>	29.00±3.19	30.33±3.01
<b>4v</b>	28.67±1.65	30.33±1.65
<b>4w</b>	22.33±1.43	22.67±1.03
<b>4x</b>	25.00±1.08	26.33±1.31



**Figure S2** Secondary of PTP-1B (PDB entry: 2QBS) (color of elements present in amino acid residues coded in standard CPK color coding)