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# Molecular determinants of PPAR $\gamma$ partial agonism and related *in silico* / *in vivo* studies of natural saponins as potential type 2 diabetes modulators

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## Abbreviations:

CAT, catalase; GSH, reduced glutathione; HB, hydrogen bond; MDA, malondialdehyde; NADPH, beta-nicotinamide adenine dinucleotide 2'-phosphate; PDB, Protein Data Bank; PPAR $\gamma$ , Peroxisome proliferator-activated receptor gamma; PSM, Purified saponins' mixture; SHR, spontaneously hypertensive rats; SOD, superoxide dismutase; STZ, streptozotocin; T2D, type 2 diabetes; TBARS, thiobarbituric acid reactive substances; UCP, uncoupling protein; VS, virtual screening

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