

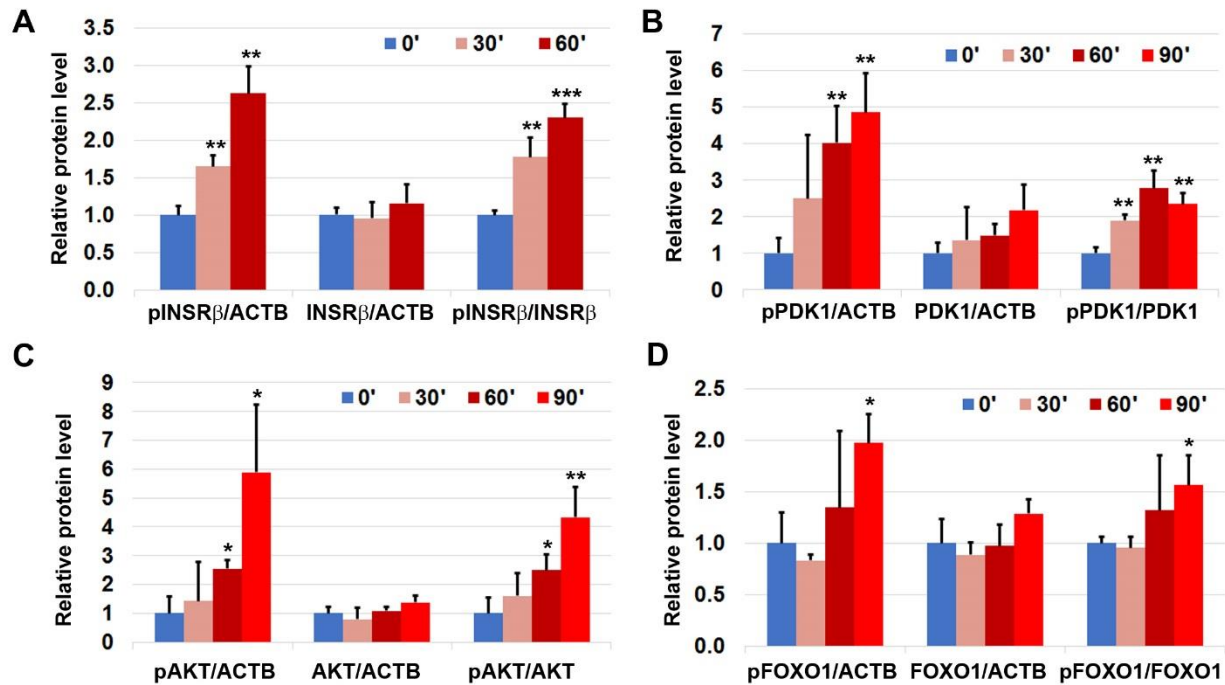
Title: Non-peptidyl small molecule, adenosine, 5'-Se-methyl-5'-seleno-, 2',3'-diacetate, activates insulin receptor and attenuates hyperglycemia in type 2 diabetic *Lepr^{db/db}* mice

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Supplementary Material-5



Quantitative changes in protein expression of (A) pINSRβ/INSRβ, (B) pPDK1/PDK1, (C) pAKT/AKT and (D) pFOXO1/FOXO1 in human liver HepG2 cells after treatment with NPC43 (7.6 μM) for 30, 60 or 90 minutes, as determined by Western blot analysis shown in Fig. 4A. Densities of protein bands shown in Western blots (Fig. 4A) were determined using NIH Image J software. Data are presented as mean ± SD of three replicates per group. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$, when compared to the protein level at 0 min time point (right before compound treatment) (*Student's t-test*).