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***Entada phaseoloides* extract suppresses hepatic gluconeogenesis via activation of the AMPK signaling pathway**

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Abbreviations: ACC, acetyl coenzyme A carboxylase; AICAR, 5-aminoimidazole-4-carboxamide-1- β -d-ribofuranoside; AMPK, AMP-activated protein kinase; CCK-8, cell counting kit-8; Dex/cAMP, dexamethasone/cAMP; *Entada phaseoloides*, *Entada phaseoloides* (L.) Merr.; G6pase, glucose-6-phosphatase; GSK3 β , glycogen synthase kinase 3 β ; HG, high glucose; IR, insulin resistance; IRS-1, insulin receptor substrate-1; $\Delta\psi_m$, mitochondrial membrane potential; PI3K, phosphatidylinositol 3-kinase; PEPCK, phosphoenolpyruvate carboxykinase; siRNA, short interfering RNA; T1DM, type 1 Diabetes mellitus; T2DM, type 2 Diabetes mellitus, TSEP, total saponins from *Entada phaseoloides*.

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