

Supplementary Materials:
Table S1. *p*-Value of oral glucose tolerance test (OGTT) after administrating *Hedychium coronarium* (HC) and SugarOut (SO) in STZ-induced type 2 diabetes model (T2DM; *N* = 8).

| <i>t</i> (min) | 0 | 30 | 60 | 90 | 120 |
|----------------|---|-------|-------|-------|-------|
| 14 days | | | | | |
| Control | - | - | -- | - | - |
| HC | - | - | - | 0.001 | 0.007 |
| SO | - | - | - | 0.001 | 0.005 |
| 28 days | | | | | |
| Control | - | - | - | - | - |
| HC | - | 0.017 | - | - | - |
| SO | - | 0.011 | 0.003 | 0.007 | 0.042 |

Table S2. Biochemistry analysis of STZ-T2DM after treating HC and SO for 28 days.

| Group | | Sham | Control | HC | SO |
|-------------------|-------|----------------|-----------------|-----------------|-----------------|
| Number of animals | | 8 | 8 | 8 | 8 |
| Calcium | mg/dL | 10.18 ± 0.36 | 9.03 ± 1.19 | 9.29 ± 0.62 | 8.66 ± 0.90 |
| Chloride | mEq/L | 97.63 ± 3.96 | 83.13 ± 6.49 | 85.75 ± 3.37 | 85.75 ± 3.65 |
| Phosphorus | mg/dL | 7.43 ± 4.48 | 11.31 ± 6.55 | 8.80 ± 1.11 | 8.31 ± 3.34 |
| Potassium | mEq/L | 9.34 ± 4.21 | 18.44 ± 14.86 | 20.21 ± 3.49 | 15.15 ± 7.74 |
| Sodium | mEq/L | 142.75 ± 6.36 | 123.38 ± 10.99 | 123.00 ± 3.02 | 127.00 ± 7.21 |
| Magnesium | mg/dL | 2.88 ± 0.58 | 2.75 ± 0.60 | 2.49 ± 0.36 | 2.65 ± 0.31 |
| ALT | U/L | 35.25 ± 10.44 | 92.38 ± 58.40 | 80.88 ± 44.88 | 77.88 ± 23.17 |
| AST | U/L | 127.25 ± 54.76 | 156.13 ± 117.04 | 197.50 ± 98.55 | 162.63 ± 58.39 |
| ALP | U/L | 73.88 ± 21.16 | 397.75 ± 60.35 | 309.25 ± 121.27 | 446.13 ± 120.87 |
| γ-GT | U/L | 3.00 ± 0.00 | 4.75 ± 2.87 | 4.13 ± 1.81 | 4.13 ± 1.64 |
| T-Bil | mg/dL | 0.20 ± 0.00 | 0.25 ± 0.14 | 0.20 ± 0.00 | 0.20 ± 0.00 |
| Creatinine | mg/dL | 0.44 ± 0.17 | 0.75 ± 0.39 | 0.41 ± 0.06 | 0.56 ± 0.27 |
| BUN | mg/dL | 17.88 ± 4.36 | 48.75 ± 13.26 | 29.13 ± 9.34 | 47.88 ± 20.73 |
| Total protein | g/dL | 5.96 ± 0.29 | 5.15 ± 0.85 | 5.11 ± 0.46 | 5.01 ± 0.23 |
| Albumin | g/dL | 4.10 ± 0.58 | 3.33 ± 0.34 | 3.63 ± 0.30 | 3.60 ± 0.29 |
| Globulin | g/dL | 1.86 ± 0.47 | 1.83 ± 0.96 | 1.49 ± 0.33 | 1.41 ± 0.28 |

ALT: alanine aminotransferase; AST: aspartate aminotransferase; ALP: Alkaline phosphatase; γ-GT: Gamma-glutamyl transferase; T-Bil: Total Bilirubin; BUN: blood urea nitrogen. Data were expressed as Mean ± S.D.