**Supplementary material**

**Table**

**Table S1** Comparison of Body Wight (BW)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| BW | Control | DM | SCLML | SCLMM | SCLMH | DMBG |
| Initial (g) | 275.7±16.7 | 292.8±14.2 | 294.0±12.8 | 294.16±8.2 | 289.7±12.3 | 297.5±10.7 |
| Final (g) | 544±42.1b | 424.9±60.3a | 473.2±54.6a | 453.3±59.8 | 489.5±38.1a | 420.2±58.6 |

a*P*＜0.05 versus the control group b*P*＜0.05 versus the DM (model) group

**Table S2.** Comparison of Water Take (WT)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| WT | Control | DM | SCLML | SCLMM | SCLMH | DMBG |
| Initial (mL) | 37.5±0.0 | 41.7±7.22 | 41.7±19.1 | 41.7±7.2 | 41.7±7.2 | 41.7±7.2 |
| Final (mL) | 33.3±7.2b | 241.7±47.3a | 129.2±31.5ab | 116.7±40.2ab | 33.3±7.2abc | 129.2±61.7a |

a*P*＜0.05 versus the control group; b*P*＜0.05 versus the DM (model) group;

c*P*＜0.05 versus the DMBG (positive) group

**Table S3.** Comparison of Blood Glucose (BG)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| BG | Control | DM | SCLML | SCLMM | SCLMH | DMBG |
| Initial (mmol/L) | 5.2±0.8 | 4.6±0.6 | 4.9±0.7 | 5.1±0.8 | 4.8±0.8 | 4.6±0.5 |
| Final (mmol/L) | 7.3±1.0b | 26.5±2.9a | 22.6±6.61a | 23.6±5.2a | 16.6±1.9a | 19.7±5.1ab |

a*P*＜0.05 versus the control group； b*P*＜0.05 versus the DM(model) group

**Figure**

**Figure S1.** a) NeuN (brown), and DAPI (blue) co-staining of MCAO/R rats brain sections. b) Corresponding semiquantitative analysis of a) (n = 5 per group ) Asterisks indicate *p* values \**P* < 0.05, \*\**P* < 0.01, \*\*\*\**P* < 0.0001, and ns represents no significant difference.



**Figure S2**. a) Cell viability and b) Expression levels of lactate dehydrogenase (LDH) were evaluated following incubation with different concentration of SCLM-contain serum for a duration of 24 hours in PC12. (n=4)



**Figure S3**. Cell viability was evaluated following incubation with different conditions for a duration of 24 hours in PC12. HG25: 25 mM/L high glucose；HG50: 50 mM/L high glucose；HG75: 75 mM/L high glucose；M25: 25 mM/L isotonic mannitol solution; M50: 50 mM/L isotonic mannitol solution; M75: 75 mM/L isotonic mannitol solution. (*n*=6)



**Figure S4**. Cell viability was evaluated following incubation with different oxygen and glucose deprivation (OGD) in PC12. (*n*=10), Asterisks indicate *P* values \**P* < 0.05.



**Figure S5**. a) Cell viability and b) Expression levels of lactate dehydrogenase (LDH) were evaluated following incubation with different concentration of SCLM-contain serum for a duration of 24 hours in BV2 cell lines. (*n*=4)

