|  |  |  |  |
| --- | --- | --- | --- |
| Groups | Testosterone (ng/mL) | Cholesterol (mg/g) | Relative testes weight |
| Non-diabetic control | 6.14 ± 1.57 | 6.95 ± 0.11 | 1.31 ± 0.93 |
| Diabetic control | 2.06 ± 0.07\*\* | 19.43 ± 0.18\*\* | 0.09 ± 0.91\*\* |
| Glimepiride 20:00h | 2.47 ± 0.12\*\* | 14.10 ± 0.71\*\* | 0.47 ± 0.08\*\*# |
| Glim2000+Nife0800 | 4.14 ± 0.10\*\*## | 11.67 ± 0.41\*\*## | 0.60 ± 0.49\*\*## |
| Glim2000+Nife0800+ALA0800 | 4.55 ± 0.13\*\*## | 12.12 ± 0.34\*\*##b | 1.12 ± 0.90\*\*##b |
| Glim2000+Nife0800+ALA1400 | 4.06 ± 0.19\*\*## | 11.40 ± 1.07\*\*## | 1.00 ± 0.20\*\*## |
| Glim2000+Nife0800+ALA2000 | 5.10 ± 0.15##b | 6.17 ± 0.23\*\*##b | 1.29 ± 0.11\*\*##b |