**ESM 3:** Correlation study between spatial memory performance (escape latency, denoted as ‘x’) in respect to MDA, GluR2 subunit protein and GluR2 subunit mRNA levels in response to treatment of various doses of CDRI-08 treated DM2 mice..

|  |  |  |
| --- | --- | --- |
| Correlation between | *y* values  | Correlation coefficient (R2) |
| MDA and Escape latency |  0.9115*x* + 8.9883 | 0.9757 |
| GluR2 Protein and Escape latency | -0.649*x* + 113.89 | 0.987 |
| GluR2 Transcript and Escape latency | -0.7023*x* + 113.15 | 0.8663 |