**Table 18. Pairwise Comparison of the A549 Concentrations (µM) AKT between different concentration**

| Tukey Post-Hoc Test – A549 Concentrations (µM) AKT  |
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|  |  | **Control group (0 μM)** | **Low-dose treatment group (5 μM)** | **Middle dose group (30 μM)** | **High-dose treatment group (50 μM)** |
| Control group (0 μM) |  | Mean difference |  | — |  | 0.262 | \*\*\* | 0.378 | \*\*\* | 0.38200 | \*\*\* |
|   |  | p-value |  | — |  | < .001 |  | < .001 |  | < .001 |  |
| Low-dose treatment group (5 μM) |  | Mean difference |  |   |  | — |  | 0.116 | \*\* | 0.12000 | \*\* |
|   |  | p-value |  |   |  | — |  | 0.008 |  | 0.006 |  |
| Middle dose group (30 μM) |  | Mean difference |  |   |  |   |  | — |  | 0.00400 |  |
|   |  | p-value |  |   |  |   |  | — |  | 0.999 |  |
| High-dose treatment group (50 μM) |  | Mean difference |  |   |  |   |  |   |  | — |  |
|   |  | p-value |  |   |  |   |  |   |  | — |  |
| Note. \* p < .05, \*\* p < .01, \*\*\* p < .001 |
|  |

Pairwise Comparison of the A549 Concentrations (µM) AKT between different concentration depicted statistically significant difference between concentration (p<0.05) except for between Middle Dose and High Dose