### 3.1.4.1 Calibration curve 1

**Table 3.13** Calibration curve data of intra-day one of validation.

| Theoritical conc. (ng/ml) | Propranolol Area | Sildenafil Area | Ratio | Measured Conc. | Accuracy % |
|---|---|---|---|---|---|
| 50 | 1513 | 114520 | 0.0132 | 54.340 | 108.68 |
| 100 | 3193 | 120265 | 0.0265 | 97.798 | 97.80 |
| 200 | 6307 | 109714 | 0.0575 | 198.594 | 99.30 |
| 500 | 17316 | 118528 | 0.1461 | 487.290 | 97.46 |
| 1000 | 29741 | 101657 | 0.2926 | 964.517 | 96.45 |
| 2000 | 62571 | 106590 | 0.5870 | 1923.933 | 96.20 |
| 3000 | 113668 | 118999 | 0.9552 | 3123.520 | 104.12 |

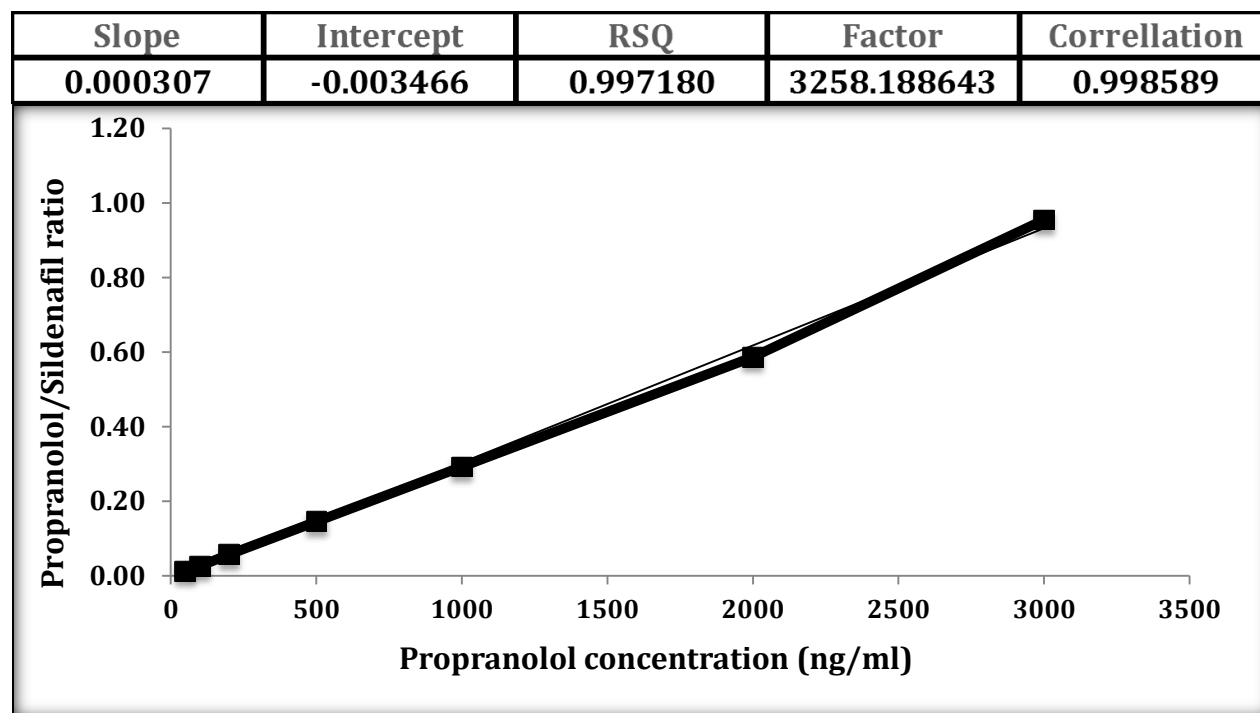| Slope | Intercept | RSQ | Factor | Correllation |
|---|---|---|---|---|
| 0.000307 | -0.003466 | 0.997180 | 3258.188643 | 0.998589 |



**Figure 3.1** Intra-day one calibration curve of propranolol in Krebs buffer.

Measured Conc. = (Ratio +0.003466)/ 0.000307
Function is Y = 0.000307X-0.003466 (R$^2$= 0.997180)