Fig. 6b:

Ratio (TNF/GAPDH)

One-way ANOVA: $F_{(5, 12)} = 152, P < 0.0001$

Dunnett's multiple comparisons test:

```
NC vs. LPS: Mean diff = -0.763 (95% CI: -0.920 to -0.607), P < 0.0001
```

NC vs. fowlerstefin (3h): Mean diff = -1.10 (95% CI: -1.26 to -0.947), P < 0.0001

NC vs. fowlerstefin (6h): Mean diff = -1.11 (95% CI: -1.27 to -0.957), P < 0.0001

NC vs. fowlerstefin (9h): Mean diff = -1.11 (95% CI: -1.27 to -0.954), P < 0.0001

NC vs. fowlerstefin (12h): Mean diff = -1.27 (95% CI: -1.43 to -1.12), P < 0.0001

Ratio (IL-1\alpha/GAPDH)

One-way ANOVA: $F_{(5, 12)} = 234$, P < 0.0001

Dunnett's multiple comparisons test:

```
NC vs. LPS: Mean diff = -0.897 (95% CI: -1.02 to -0.772), P < 0.0001
```

NC vs. fowlerstefin (3h): Mean diff = -1.05 (95% CI: -1.18 to -0.927), P < 0.0001

NC vs. fowlerstefin (6h): Mean diff = -1.07 (95% CI: -1.19 to -0.946), P < 0.0001

NC vs. fowlerstefin (9h): Mean diff = -1.16 (95% CI: -1.28 to -1.03), P < 0.0001

NC vs. fowlerstefin (12h): Mean diff = -1.28 (95% CI: -1.40 to -1.16), P < 0.0001

Ratio (IL-1β/GAPDH)

One-way ANOVA: $F_{(5,12)} = 30.9$, P < 0.0001

Dunnett's multiple comparisons test:

```
NC vs. LPS: Mean diff = -0.648 (95% CI: -0.908 to -0.387), P < 0.0001
```

NC vs. fowlerstefin (3h): Mean diff = -0.856 (95% CI: -1.12 to -0.595), P < 0.0001

NC vs. fowlerstefin (6h): Mean diff = -0.798 (95% CI: -1.06 to -0.538), P < 0.0001

NC vs. fowlerstefin (9h): Mean diff = -0.888 (95% CI: -1.15 to -0.627), P < 0.0001

NC vs. fowlerstefin (12h): Mean diff = -0.949 (95% CI: -1.21 to -0.688), P < 0.0001

Ratio (IL-6/GAPDH)

One-way ANOVA: $F_{(5, 12)} = 155$, P < 0.0001

Dunnett's multiple comparisons test:

```
NC vs. LPS: Mean diff = -0.761 (95% CI: -0.912 to -0.610), P < 0.0001
```

NC vs. fowlerstefin (3h): Mean diff = -0.986 (95% CI: -1.14 to -0.835), P < 0.0001

NC vs. fowlerstefin (6h): Mean diff = -0.939 (95% CI: -1.09 to -0.788), P < 0.0001

NC vs. fowlerstefin (9h): Mean diff = -1.17 (95% CI: -1.32 to -1.02), P < 0.0001

NC vs. fowlerstefin (12h): Mean diff = -1.29 (95% CI: -1.44 to -1.14), P < 0.0001

Fig. 6c:

TNF (pg/ml)

One-way ANOVA: $F_{(5, 12)} = 209$, P < 0.0001

Dunnett's multiple comparisons test:

```
NC vs. LPS: Mean diff = -576 (95% CI: -635 to -516), P < 0.0001
```

NC vs. fowlerstefin (3h): Mean diff = -424 (95% CI: -483 to -364), P < 0.0001

NC vs. fowlerstefin (6h): Mean diff = -454 (95% CI: -513 to -394), P < 0.0001

NC vs. fowlerstefin (9h): Mean diff = -560 (95% CI: -620 to -501), P < 0.0001

```
NC vs. fowlerstefin (12h): Mean diff = -387 (95% CI: -446 to -327), P < 0.0001
```

IL-6 (pg/ml)

One-way ANOVA: $F_{(5, 12)} = 178, P < 0.0001$

Dunnett's multiple comparisons test:

NC vs. LPS: Mean diff = -131 (95% CI: -154 to -108), P < 0.0001

NC vs. fowlerstefin (3h): Mean diff = -73.9 (95% CI: -97.0 to -50.8), P < 0.0001

NC vs. fowlerstefin (6h): Mean diff = -150 (95% CI: -173 to -127), P < 0.0001

NC vs. fowlerstefin (9h): Mean diff = -205 (95% CI: -228 to -182), P < 0.0001

NC vs. fowlerstefin (12h): Mean diff = -180 (95% CI: -203 to -157), P < 0.0001

Fig. 7a:

Ratio (TNF/GAPDH)

One-way ANOVA: $F_{(8,18)} = 75.8$, P < 0.0001

Dunnett's multiple comparisons test:

fowlerstefin vs. NC: Mean diff = 1.11 (95% CI: 0.928 to 1.30), P < 0.0001 fowlerstefin vs. LPS: Mean diff = -38.1 (95% CI: -59.0 to -17.1), P = 0.0255 fowlerstefin vs. SP600125 (1 μM): Mean diff = 144 (95% CI: 123 to 165), P < 0.0001 fowlerstefin vs. SP600125 (10 M): Mean diff = 246 (95% CI: 225 to 267), P < 0.0001 fowlerstefin vs. SB203580 (1 μM): Mean diff = 46.0 (95% CI: 25.1 to 66.9), P = 0.0001 fowlerstefin vs. SB203580 (10 μM): Mean diff = 283 (95% CI: 262 to 304), P < 0.0001 fowlerstefin vs. U0126 (1 μM): Mean diff = 61.9 (95% CI: 41.0 to 82.9), P = 0.0004 fowlerstefin vs. U0126 (10 μM): Mean diff = 275 (95% CI: 254 to 296), P < 0.0001

Ratio (IL-6/GAPDH)

One-way ANOVA: $F_{(8, 18)} = 335$, P < 0.0001

Dunnett's multiple comparisons test:

fowlerstefin vs. NC: Mean diff = 0.925 (95% CI: 0.829 to 1.02), P < 0.0001 fowlerstefin vs. LPS: Mean diff = -10.2 (95% CI: -18.2 to -2.09), P = 0.9977 fowlerstefin vs. SP600125 (1 μM): Mean diff = 122 (95% CI: 114 to 130), P < 0.0001 fowlerstefin vs. SP600125 (10 M): Mean diff = 187 (95% CI: 179 to 195), P < 0.0001 fowlerstefin vs. SB203580 (1 μM): Mean diff = 127 (95% CI: 119 to 135), P = 0.0029 fowlerstefin vs. SB203580 (10 μM): Mean diff = 190 (95% CI: 182 to 198), P < 0.0001 fowlerstefin vs. U0126 (1 μM): Mean diff = 118 (95% CI: 110 to 126), P = 0.0005 fowlerstefin vs. U0126 (10 μM): Mean diff = 163 (95% CI: 154 to 171), P < 0.0001

Fig. 7b:

TNF (pg/ml)

Dunnett's multiple comparisons test:

```
One-way ANOVA: F_{(8, 18)} = 790, P < 0.0001
```

fowlerstefin vs. NC: Mean diff = 312 (95% CI: 292 to 332), P < 0.0001

fowlerstefin vs. LPS: Mean diff = -38.1 (95% CI: -59.0 to -17.1), P = 0.0004

fowlerstefin vs. SP600125 (1 μ M): Mean diff = 144 (95% CI: 123 to 165), P < 0.0001

fowlerstefin vs. SP600125 (10 M): Mean diff = 246 (95% CI: 225 to 267), P < 0.0001

fowlerstefin vs. SB203580 (1 μ M): Mean diff = 46.0 (95% CI: 25.1 to 66.9), P < 0.0001

fowlerstefin vs. SB203580 (10 μ M): Mean diff = 283 (95% CI: 262 to 304), P < 0.0001

```
fowlerstefin vs. U0126 (1 \muM): Mean diff = 61.9 (95% CI: 41.0 to 82.9), P < 0.0001 fowlerstefin vs. U0126 (10 \muM): Mean diff = 275 (95% CI: 254 to 296), P < 0.0001
```

IL-6 (pg/ml)

One-way ANOVA: $F_{(8, 18)} = 1826$, P < 0.0001

Dunnett's multiple comparisons test:

fowlerstefin vs. NC: Mean diff = 204 (95% CI: 196 to 212), P < 0.0001 fowlerstefin vs. LPS: Mean diff = -10.2 (95% CI: -18.2 to -2.09), P = 0.0111 fowlerstefin vs. SP600125 (1 μM): Mean diff = 122 (95% CI: 114 to 130), P < 0.0001 fowlerstefin vs. SP600125 (10 M): Mean diff = 187 (95% CI: 179 to 195), P < 0.0001 fowlerstefin vs. SB203580 (1 μM): Mean diff = 127 (95% CI: 119 to 135), P < 0.0001 fowlerstefin vs. SB203580 (10 μM): Mean diff = 190 (95% CI: 182 to 198), P < 0.0001 fowlerstefin vs. U0126 (1 μM): Mean diff = 118 (95% CI: 110 to 126), P < 0.0001 fowlerstefin vs. U0126 (10 μM): Mean diff = 163 (95% CI: 154 to 171), P < 0.0001

Fig. 8a:

Ratio (TNF/GAPDH)

One-way ANOVA: $F_{(6, 14)} = 40.5$, P < 0.0001

Dunnett's multiple comparisons test:

fowlerstefin vs. NC: Mean diff = 0.857 (95% CI: 0.616 to 1.10), P < 0.0001 fowlerstefin vs. LPS: Mean diff = -0.267 (95% CI: -0.518 to -0.0157), P = 0.0363 fowlerstefin vs. MG132 (1 μ M): Mean diff = 0.190 (95% CI: -0.0610 to 0.441), P = 0.1654 fowlerstefin vs. MG132 (10 M): Mean diff = 0.557 (95% CI: 0.306 to 0.808), P = 0.0002 fowlerstefin vs. SR11302 (1 μ M): Mean diff = 0.0700 (95% CI: -0.181 to 0.321), P = 0.0324 fowlerstefin vs. SR11302 (10 μ M): Mean diff = 0.273 (95% CI: 0.022 to 0.524), P = 0.0317

Ratio (IL-6/GAPDH)

One-way ANOVA: $F_{(6, 14)} = 143$, P < 0.0001

Dunnett's multiple comparisons test:

fowlerstefin vs. NC: Mean diff = 1.14 (95% CI: 0.969 to 1.30), P < 0.0001 fowlerstefin vs. LPS: Mean diff = -0.127 (95% CI: -0.307 to 0.0534), P = 0.2117 fowlerstefin vs. MG132 (1 μ M): Mean diff = 0.790 (95% CI: 0.610 to 0.970), P < 0.0001 fowlerstefin vs. MG132 (10 M): Mean diff = 0.960 (95% CI: 0.780 to 1.14), P < 0.0001 fowlerstefin vs. SR11302 (1 μ M): Mean diff = 0.407 (95% CI: 0.227 to 0.587), P = 0.0001 fowlerstefin vs. SR11302 (10 μ M): Mean diff = 0.837 (95% CI: 0.657 to 1.02), P < 0.0001

Fig. 8b:

TNF (pg/ml)

One-way ANOVA: $F_{(6.14)} = 3049$, P < 0.0001

Dunnett's multiple comparisons test:

fowlerstefin vs. NC: Mean diff = 307 (95% CI: 296 to 319), P < 0.0001 fowlerstefin vs. LPS: Mean diff = -64.3 (95% CI: -76.9 to -51.7), P < 0.0001 fowlerstefin vs. MG132 (1 μ M): Mean diff = 292 (95% CI: 279 to 305), P < 0.0001 fowlerstefin vs. MG132 (10 M): Mean diff = 315 (95% CI: 302 to 328), P < 0.0001 fowlerstefin vs. SR11302 (1 μ M): Mean diff = 73.8 (95% CI: 61.2 to 86.4), P < 0.0001 fowlerstefin vs. SR11302 (10 μ M): Mean diff = 210 (95% CI: 198 to 223), P < 0.0001

IL-6 (pg/ml)

One-way ANOVA: $F_{(6, 14)} = 338, P < 0.0001$

Dunnett's multiple comparisons test:

fowlerstefin vs. NC: Mean diff = 365 (95% CI: 326 to 404), P < 0.0001 fowlerstefin vs. LPS: Mean diff = -29.7 (95% CI: -72.1 to 12.8), P = 0.2164 fowlerstefin vs. MG132 (1 μ M): Mean diff = 339 (95% CI: 296 to 381), P < 0.0001 fowlerstefin vs. MG132 (10 M): Mean diff = 367 (95% CI: 324 to 409), P < 0.0001 fowlerstefin vs. SR11302 (1 μ M): Mean diff = 65.8 (95% CI: 23.4 to 108), P = 0.0030

fowlerstefin vs. SR11302 (10 μ M): Mean diff = 239 (95% CI: 197 to 282), P < 0.0001