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**Article:**
Desroses, M., Busker, S., Astorga-Wells, J. et al. (2018) STAT3 differential scanning fluorimetry and differential scanning light scattering assays: Addressing a missing link in the characterization of STAT3 inhibitor interactions. Journal of Pharmaceutical and Biomedical Analysis , 160. pp. 80-88. ISSN: 0731-7085

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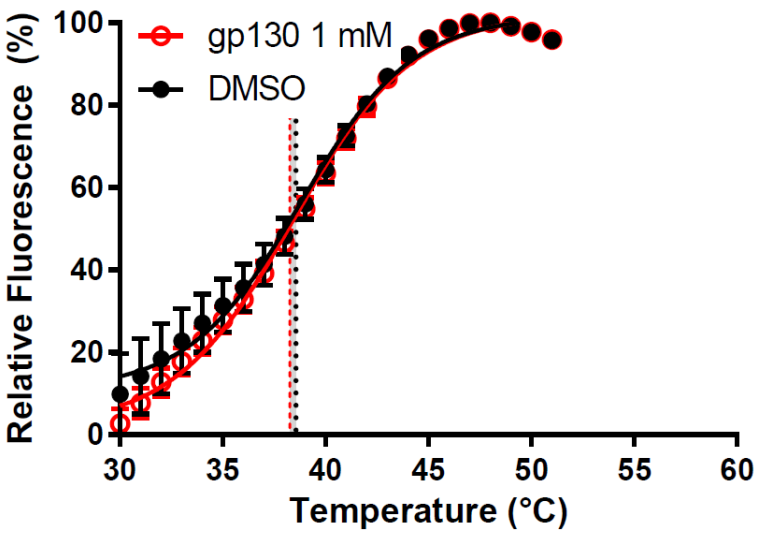
A

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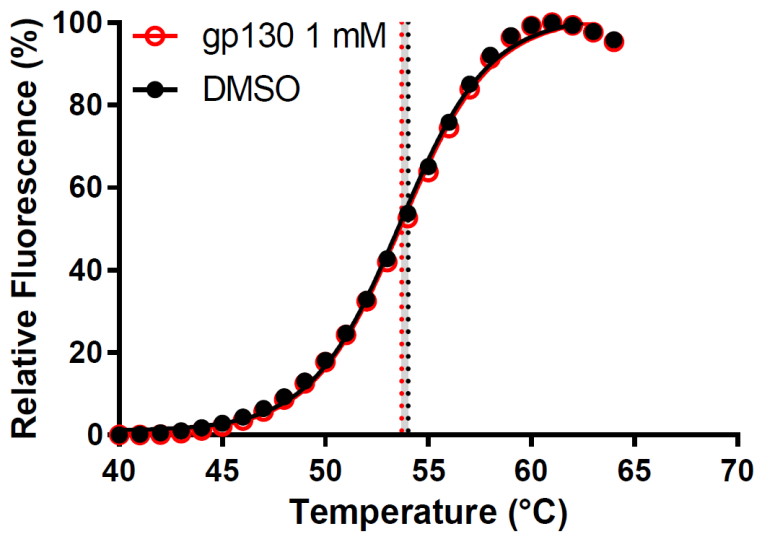


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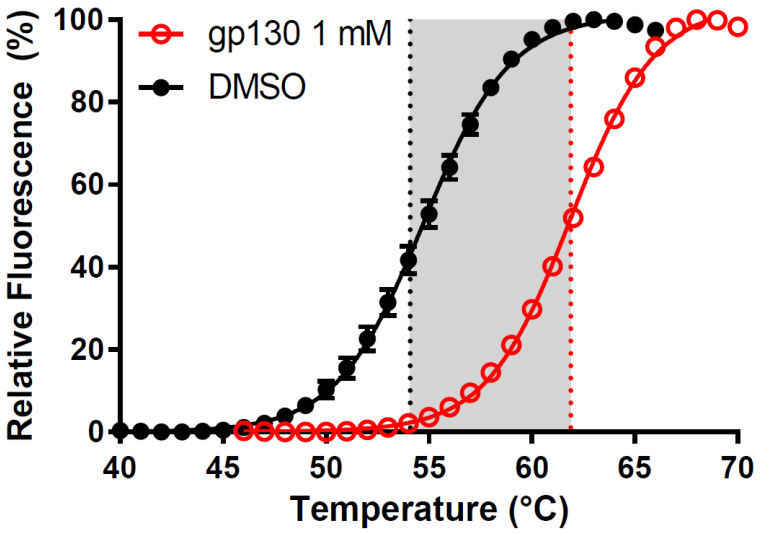


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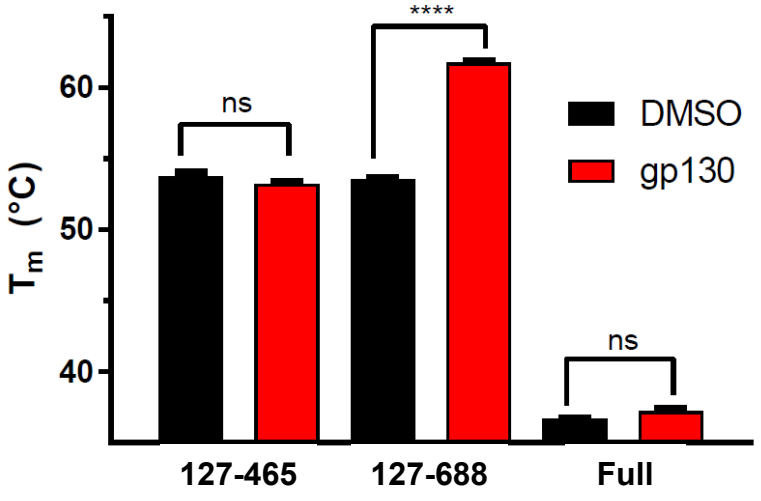
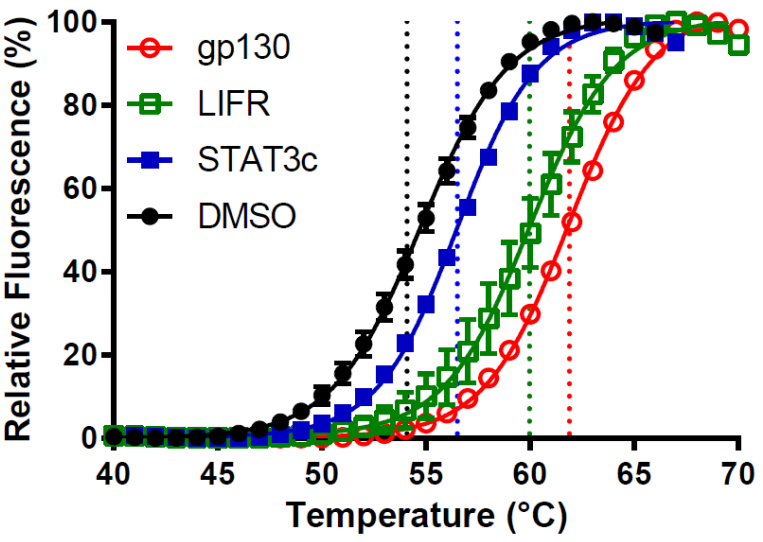


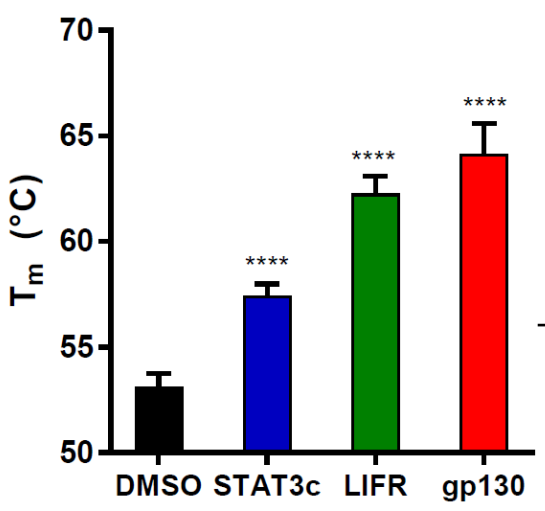

E

| | $T_m$ (°C) | |
|---|---|---|
| **Protein** | DMSO | gp130 (1 mM) |
| $STAT3^{Full}$ | 37.2 ± 0.3 | 36.70 ± 0.01 |
| $STAT3^{127-465}$ | 53.8 ± 0.6 | 53.2 ± 0.4 |
| $STAT3^{127-688}$ | 53.5 ± 0.2 | 61.7 ± 0.3 |

F

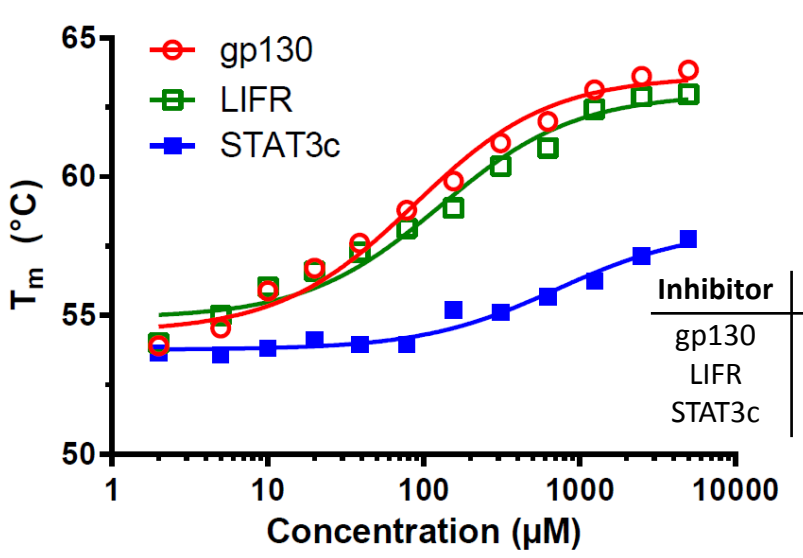



G




| Inhibitor | $T_m$ (°C) |
|---|---|
| DMSO | 53.1 ± 0.6 |
| STAT3c | 57.4 ± 0.5 |
| LIFR | 62.2 ± 0.8 |
| gp130 | 64.2 ± 1.4 |

H




| Inhibitor | $K_d$ |
|---|---|
| gp130 | 87 ± 12 µM |
| LIFR | 130 ± 22 µM |
| STAT3c | 720 ± 150 µM |