

This is a repository copy of STAT3 differential scanning fluorimetry and differential scanning light scattering assays: Addressing a missing link in the characterization of STAT3 inhibitor interactions.

White Rose Research Online URL for this paper: http://eprints.whiterose.ac.uk/143594/

Version: Supplemental Material

Article:

Desroses, M., Busker, S., Astorga-Wells, J. et al. (6 more authors) (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

https://doi.org/10.1016/j.jpba.2018.07.018

Article available under the terms of the CC-BY-NC-ND licence (https://creativecommons.org/licenses/by-nc-nd/4.0/).

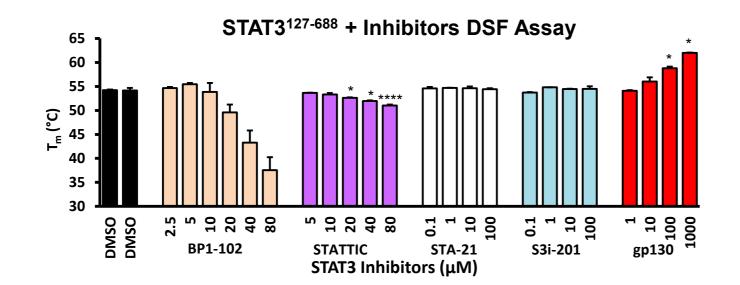
Reuse

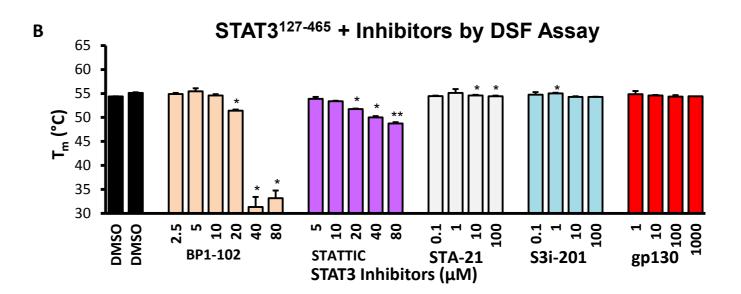
This article is distributed under the terms of the Creative Commons Attribution-NonCommercial-NoDerivs (CC BY-NC-ND) licence. This licence only allows you to download this work and share it with others as long as you credit the authors, but you can't change the article in any way or use it commercially. More information and the full terms of the licence here: https://creativecommons.org/licenses/

Takedown

If you consider content in White Rose Research Online to be in breach of UK law, please notify us by emailing eprints@whiterose.ac.uk including the URL of the record and the reason for the withdrawal request.

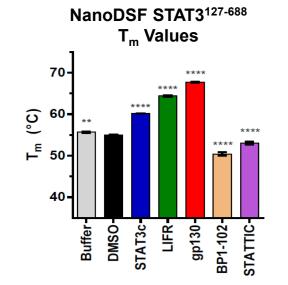






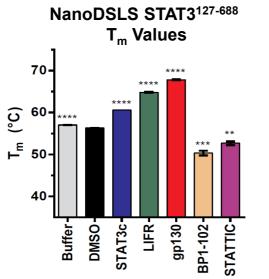
С

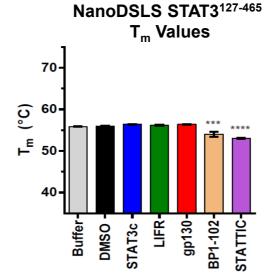
Α



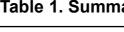


D





Ε



F

	STAT3 ¹²⁷⁻⁶⁸⁸ T _m (°C)		STAT3 ¹²⁷⁻⁴⁶⁵ T _m (°C)
	Scattering	Fluorescence Ratio	Scattering
Buffer	57.01 ± 0.05	55.7 ± 0.3	55.9 ± 0.1
DMSO	56.31 ± 0.1	55.0 ± 0.1	56.0 ± 0.1
gp130 (1 mM)	67.8 ± 0.1	67.7 ± 0.2	56.37 ± 0.02
LIFR (1 mM)	64.8 ± 0.1	64.4 ± 0.2	56.2 ± 0.2
STAT3c (1 mM)	60.58 ± 0.01	60.19 ± 0.02	56.4 ± 0.1
BP1-102 (80 µM)	50.3 ± 0.6	50.4 ± 0.4	54.0 ± 1.3
STATTIC (80 µM)	52.7 ± 0.4	53.1 ± 0.4	53.0 ± 0.2

Table 1. Summary of NanoDSF and NanoDSLS T_m Values