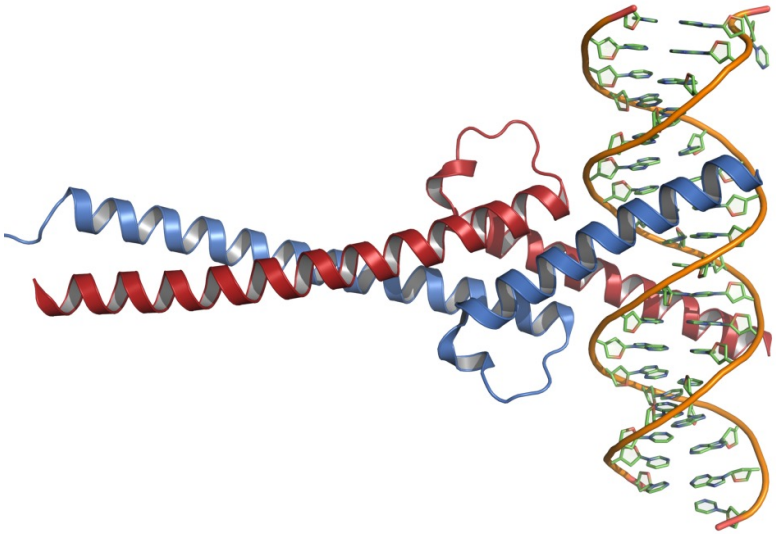
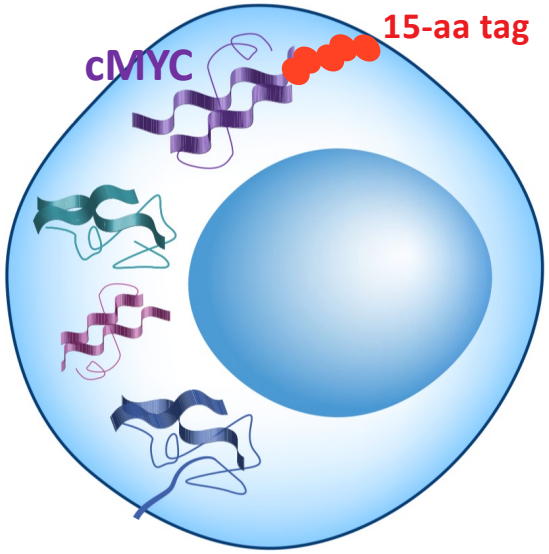
Case Study: cMYC

Real-Time Step-Gradient Cell Target Engagement

cMYC -- Real-Time Cell target Engagement





Reporter cells expressing
cMYC Micro-Tag

cMYC -- Real-Time Cell target Engagement

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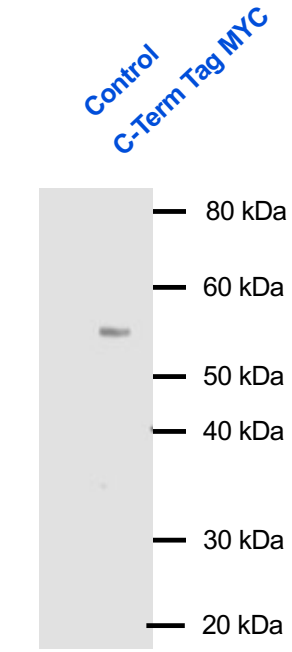
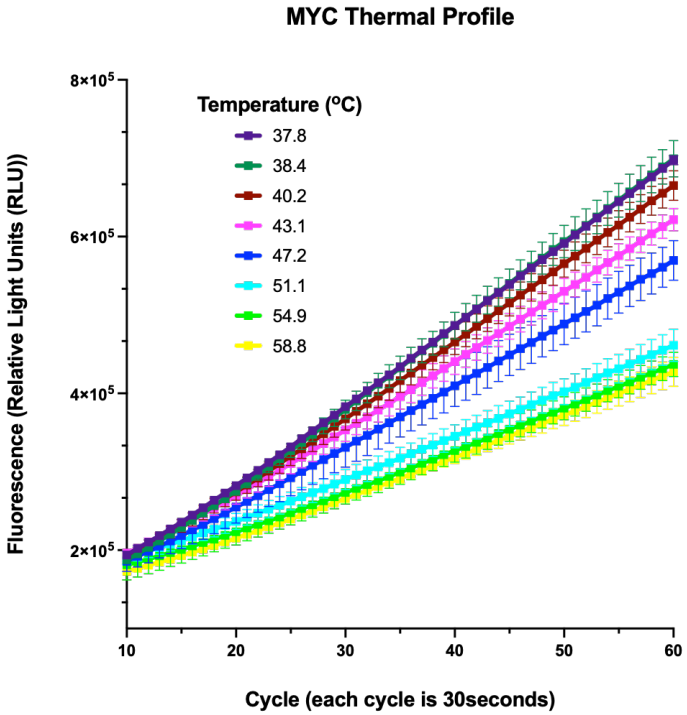
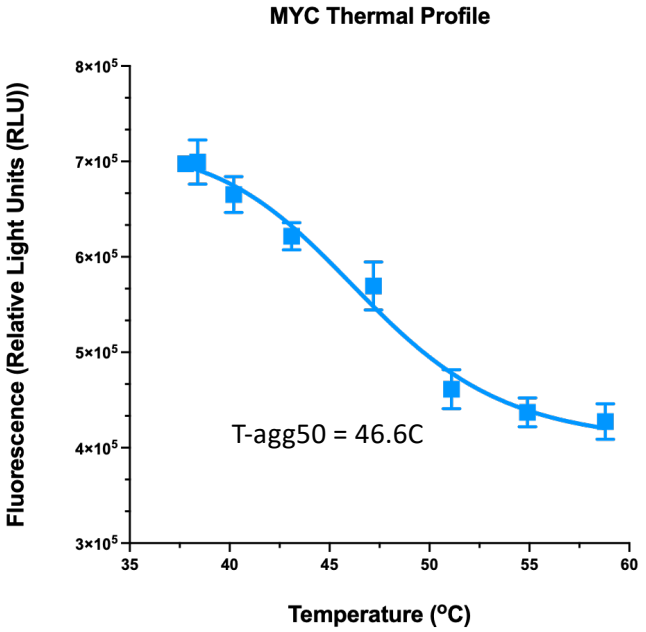


Immunoblot Antibody:
Micro-Tag antibody

Transiently expressed cMYC Micro-Tag



Real-time thermal melting profile of cMYC, showing each tested temperature



Thermal melting profile of cMYC detected using MICRO-TAG enzyme complementation system (conventional method)

cMYC: **Conventional Method** Using T-agg

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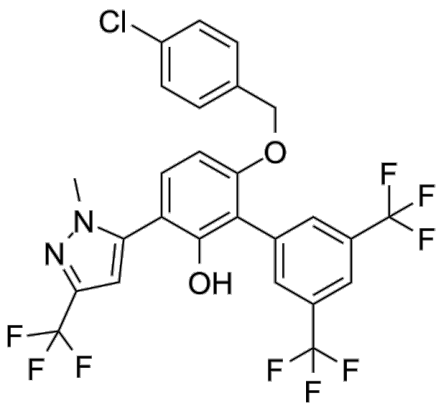
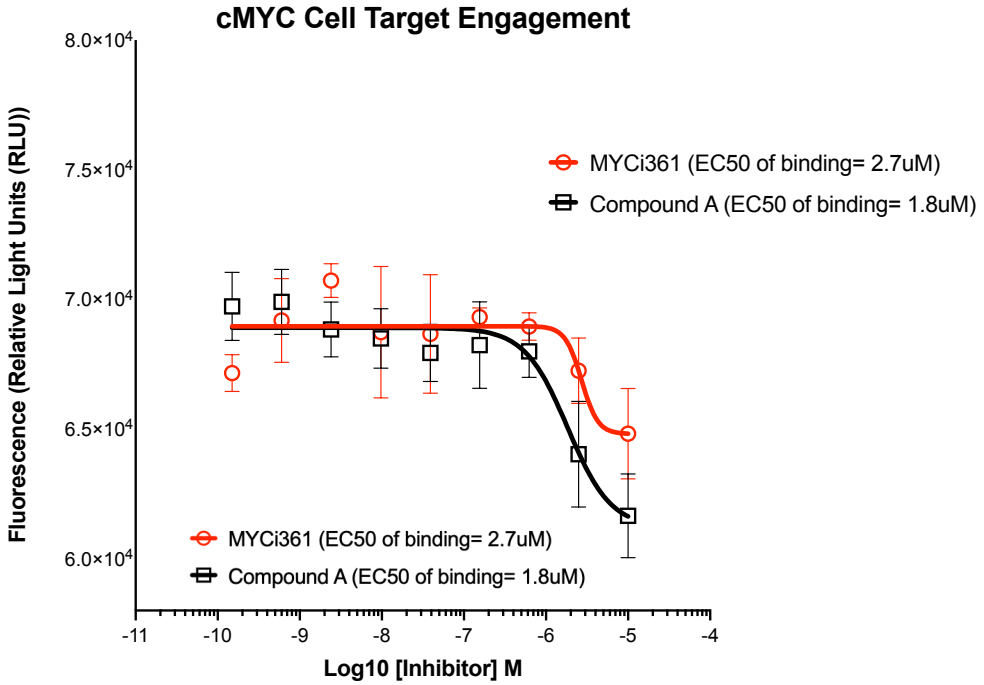


MYCi361



cMYC was tested with tool at T-agg. Both compounds were found as de-stabilizers

cMYC: **Real-Time Step-Gradient Method**

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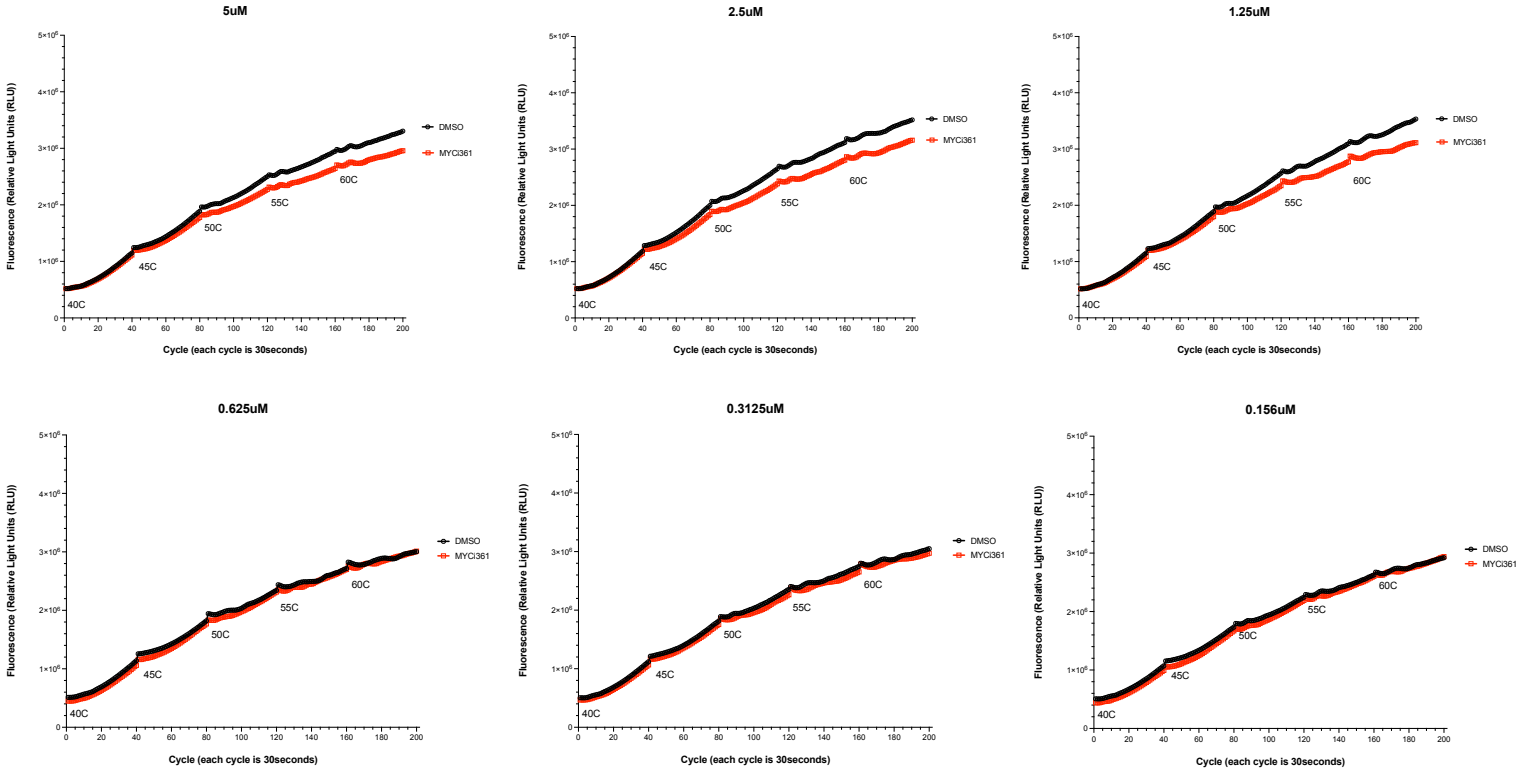

MYCi361 was tested using step-gradient method. Target de-stabilization is visible above 1µM.
This data is consistent with T-agg method. EC50 of 1.5µM is measured. It is more sensitive.