Allele-selective lowering of mutant HTT protein by HTTLC3 linker compounds

Li, Z

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a) Oi-RD measurements for compound-protein interactions

b) Validation of compound-protein interaction by microscale thermophoresis (MST)

- hHTT-Q73 (K_D = 3.45 μM)
- RHTT-Q73 (K_D = 1.13 μM)
- LC3B (K_D = 9.25 μM)

MST analysis of compound-protein interactions.

c) Compound-protein interaction by microscale thermophoresis (MST)

- AN1 concentration (nM)
- AN2 concentration (nM)
- PLX-4720 concentration (nM)
- BAY1217389 concentration (nM)

Analysis of compound-protein interactions at different concentrations.

d) Kon/Off measurements for ANZ-protein interactions by Oi-RD

- LC3B, 100μM
- Rn10, 300μM

Measurement of protein-protein interactions under different conditions.

e) Cultured HD mouse primary cortical neurons

Analysis of cell signaling pathways in cultured HD mouse primary cortical neurons.

Graphs and charts illustrating the interactions and measurements described above.