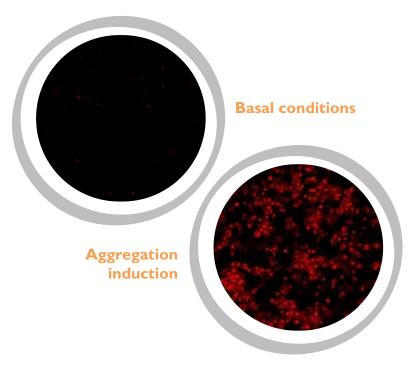
# **ALS DISEASE** IN VITRO MODEL

## **SODI-A4V** aggregation



HEK293 cell line stably expressing red fluorescent SODI-A4V mutant is induced to form SODI aggregates. Before the aggregation process, cells are co-incubated with the test compounds during 24 hours to evaluate their effect preventing SOD laggregation. Then, the cells are treated with ALLN 10 μM . After an overnight treatment, the cells are fixed and the SODI-A4V aggregates are quantified with an image analysis algorithm.

#### Day I

### SODI-A4V HEK293 cell line

Seed 30,000 cells/w in 96 well-plates

#### Day 2

Treatments with test compounds

Incubation O/N

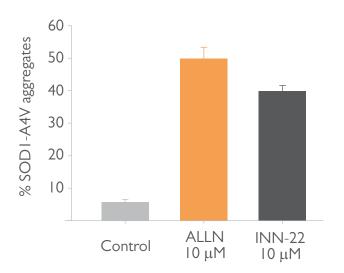
#### Day 3

**Treatment with** ALLN 10 µM

> Incubation overnight



SODI-A4V **Aggregation** image analysis



The addition of ALLN 10 µM increases aggregates formation 6-fold. INN-22 reduces to 4.5-fold the percentage of SODI-A4V

