

# NPC-31 -Nobelpharma

CJD is caused by prion proteins in the brain that undergo a structural transformation from their normal form into an abnormal, disease-causing form. These abnormal prions accumulate and destroy nerve cells.

NPC-31 specifically binds to the hotspot of normal prion protein ( $\text{PrP}^{\text{C}}$ ), inhibiting its interaction with abnormal prion protein ( $\text{PrP}^{\text{Sc}}$ ), and acts as a medical chaperone that stabilizes its structure.

