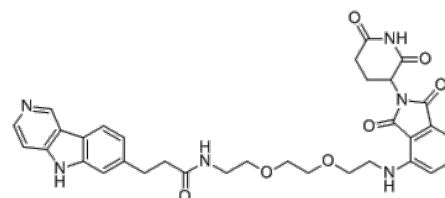


**Product Name** : QC-01-175  
**Cat. No.** : PC-73296  
**CAS No.** : 2267290-96-8  
**Molecular Formula** : C<sub>33</sub>H<sub>34</sub>N<sub>6</sub>O<sub>7</sub>  
**Molecular Weight** : 626.670  
**Target** : PROTAC  
**Solubility** : 10 mM in DMSO



## Biological Activity

QC-01-175 is a hetero-bifunctional molecule designed to engage both tau and Cereblon (CRBN) to trigger tau ubiquitination and proteasomal degradation (**tau PROTAC**).

QC-01-175 effected clearance of tau in frontotemporal dementia (FTD) patient-derived neuronal cell models, with minimal effect on tau from neurons of healthy controls.

QC-01-175 also rescued stress vulnerability in FTD neurons, phenocopying CRISPR-mediated MAPT-knockout.

## References

M Catarina Silva, et al. *Elife*. 2019 Mar 25;8:e45457.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com