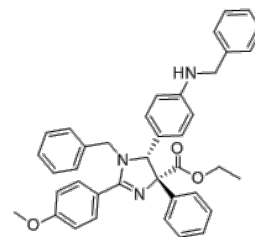


Product Name : TCH-165
Cat. No. : PC-35491
CAS No. : 1446350-60-2
Molecular Formula : C₃₉H₃₇N₃O₃
Molecular Weight : 595.743
Target : Proteasome
Solubility : 10 mM in DMSO



Biological Activity

TCH-165 is a specific small molecule modulator of **proteasome assembly**, regulates the dynamic equilibrium between the 20S and 26S proteasome complexes, favoring 20S-mediated protein degradation.

TCH-165 enhances the degradation of both α -syn and tau, does not induce the degradation of GAPDH, enhances the degradation of intrinsically disordered proteins in cell culture.

TCH-165 display a decrease in assembled 26S and an increase in 20S proteasome in treated cells.

References

Njomen E, et al. *Biochemistry*. 2018 Jul 17;57(28):4214-4224.

Azevedo LM, et al. *J Med Chem*. 2013 Jul 25;56(14):5974-8.

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

E-mail: tech@probechem.com