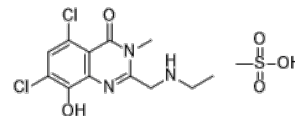


**Product Name** : PBT434 mesylate  
**Cat. No.** : PC-27216  
**CAS No.** : 2387898-69-1  
**Molecular Formula** : C<sub>13</sub>H<sub>17</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>5</sub>S  
**Molecular Weight** : 398.26  
**Target** : Amyloids  
**Solubility** : 10 mM in DMSO



## Biological Activity

PBT434 mesylate is a novel quinazolinone compound with effect of lowering cellular iron levels, prevents iron mediated neurodegeneration and  $\alpha$ -synuclein toxicity in multiple models of Parkinson disease.

PBT434 inhibits iron-mediated redox activity and iron-mediated aggregation of  $\alpha$ -synuclein, a protein that aggregates in the neuropathology.

PBT434 prevents loss of substantia nigra pars compacta neurons (SNpc), lowers nigral  $\alpha$ -synuclein accumulation, and rescues motor performance in mice model of PD.

## References

Finkelstein DI, et al. Acta Neuropathol Commun. 2017 Jun 28;5(1):53.

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

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