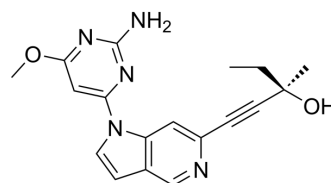


## (R)-TTBK1-IN-1

Cat. No.:	HY-134968A
CAS No.:	2735015-59-3
Molecular Formula:	C <sub>18</sub> H <sub>19</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	337.38
Target:	Tau Protein
Pathway:	Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### BIOLOGICAL ACTIVITY

#### Description

(R)-TTBK1-IN-1 is a potent, selective and brain-penetrant tau tubulin kinase 1 (TTBK1) inhibitor. (R)-TTBK1-IN-1 is an enantiomer of TTBK1-IN-1 (HY-134968). (R)-TTBK1-IN-1 can be used in the research of alzheimer's disease and related tauopathies<sup>[1]</sup>. (R)-TTBK1-IN-1 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

### REFERENCES

[1]. Halkina T, et, al. Discovery of Potent and Brain-Penetrant Tau Tubulin Kinase 1 (TTBK1) Inhibitors that Lower Tau Phosphorylation In Vivo. J Med Chem. 2021 May 13;64(9):6358-6380.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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