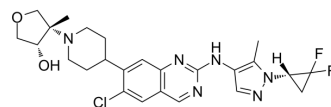


## LRRK2-IN-4

Cat. No.:	HY-144074
CAS No.:	2641054-59-1
Molecular Formula:	C <sub>25</sub> H <sub>29</sub> ClF <sub>2</sub> N <sub>6</sub> O <sub>2</sub>
Molecular Weight:	518.99
Target:	LRRK2
Pathway:	Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	LRRK2-IN-4 is a potent, selective, CNS-penetrant and orally active leucine-rich repeat kinase 2 (LRRK2) inhibitor with an IC <sub>50</sub> of 2.6 nM. LRRK2-IN-4 has the potential for the research of Parkinson's disease <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 2.6 nM (LRRK2) <sup>[1]</sup>
In Vivo	LRRK2-IN-4 (compound 24) (p.o.) shows good oral bioavailability in male Wistar-Han rats (F=64%), male beagle dogs (F=65%) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Keylor MH, et al. Structure-Guided Discovery of Aminoquinazolines as Brain-Penetrant and Selective LRRK2 Inhibitors. J Med Chem. 2022; 65(1):838-856.

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

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