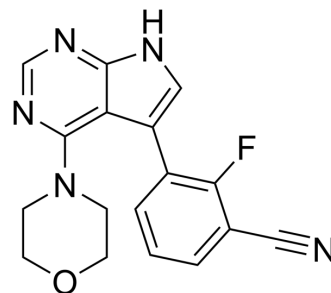


## PF-06455943

Cat. No.:	HY-148353
CAS No.:	1527474-15-2
Molecular Formula:	C <sub>17</sub> H <sub>14</sub> FN <sub>3</sub> O
Molecular Weight:	323.32
Target:	LRRK2
Pathway:	Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	PF-06455943 is a leucine rich repeat kinase 2 (LRRK2) inhibitor with IC <sub>50</sub> value of 3 nM. PF-06455943 also is a PET radioligand. PF-06455943 can be used for the research of ADME/neuro PK characterization and Parkinson disease (PD) <sup>[1][2]</sup> .
In Vitro	PF-06455943 (Compound 22) has inhibition activity for LRRK2 with IC <sub>50</sub> values of 3 nM (WT), 9 nM (G2019S) and 20 nM (cellular WCA), respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

- [1]. Zhen Chen, et al. Imaging Leucine-Rich Repeat Kinase 2 In Vivo with 18F-Labeled Positron Emission Tomography Ligand. J Med Chem. 2022 Oct 18.
- [2]. Jaclyn L Henderson, et al. Discovery and preclinical profiling of 3-[4-(morpholin-4-yl)-7H-pyrrolo[2,3-d]pyrimidin-5-yl]benzonitrile (PF-06447475), a highly potent, selective, brain penetrant, and in vivo active LRRK2 kinase inhibitor. J Med Chem. 2015 Jan 8;58(1):419-32.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA