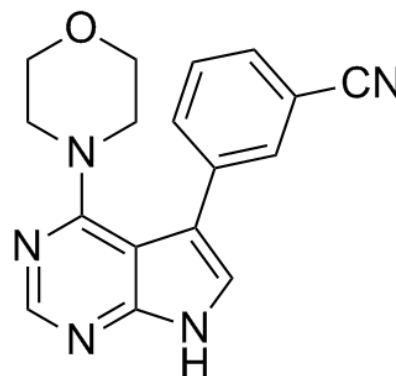


Product Name : PF-06447475
Cat. No. : PC-43053
CAS No. : 1527473-33-1
Molecular Formula : C₁₇H₁₅N₅O
Molecular Weight : 305.3339
Target : LRRK2
Solubility : DMSO: ≥ 33 mg/mL



Biological Activity

PF-06447475 is a highly potent, selective, brain penetrant **LRRK2** kinase inhibitor with IC₅₀ of 3 and 11nM for WT LRRK2 and G2019S mutant, respectively.

PF-06447475 is also sufficiently potent in the LRRK2 whole cell assay with IC₅₀ of 25 nM.

PF-06447475 protects nerve-like differentiated cells (NLCs) against rotenone induced noxious effect, prevents α-synuclein-induced neurodegeneration in rats.

References

- Henderson JL, et al. *J Med Chem.* 2015 Jan 8;58(1):419-32.
Daher JP, et al. *J Biol Chem.* 2015 Aug 7;290(32):19433-44.
Mendivil-Perez M, et al. *Neurochem Res.* 2016 Oct;41(10):2675-2692.
Volpicelli-Daley LA, et al. *J Neurosci.* 2016 Jul 13;36(28):7415-27.

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

E-mail: tech@probechem.com