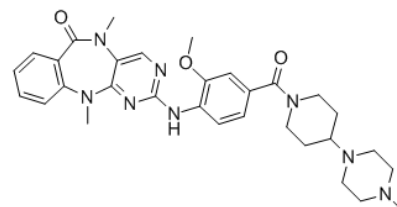


Product Name : LRRK2-IN-1
Cat. No. : PC-42726
CAS No. : 1234480-84-2
Molecular Formula : C₃₁H₃₈N₈O₃
Molecular Weight : 570.6852
Target : LRRK2
Solubility : 10 mM in DMSO



Biological Activity

A potent LRRK2 inhibitor with IC₅₀s of 13 nM/6 nM for wild-type/G2019S mutant LRRK2 respectively (0.1 mM ATP in the assay); shows modest activity against LRRK2 A2016T (IC₅₀=2.45 μM) and LRRK2 A2016T+G2019S mutant (IC₅₀=3.08 μM); also inhibits DCLK1 (IC₅₀=2.61 nM) and 2 (IC₅₀=45 nM); induces dephosphorylation of Ser910 and Ser935 of LRRK2 and alters the cytoplasmic localisation of LRRK2.

References

- Deng X, et al. Nat Chem Biol. 2011 Apr;7(4):203-5.
Weygant N, et al. Mol Cancer. 2014 May 6;13:103.
Luerman GC, et al. J Neurochem. 2014 Feb;128(4):561-76.

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

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