

Product Datasheet

CZC-54252

Catalog No. **BP-02511** · CAS **1191911-27-9** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-10**

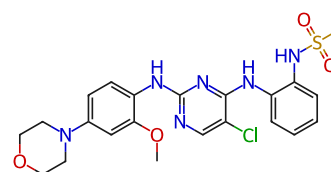
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Target LRRK2	Research area Neurological Disease
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Molecular formula **C₂₂H₂₅ClN₆O₄S**

Molecular weight **504.9900**

STRUCTURE



DESCRIPTION

CZC-54252 is a potent and selective LRRK2 inhibitor with IC₅₀s of 1.28 nM and 1.85 nM for wild-type and G2019S LRRK2, respectively. CZC-54252 attenuates G2019S LRRK2-induced human neuronal injury with an EC₅₀ of ~1 nM. CZC-54252 has a neuroprotective activity .

BIOLOGICAL ACTIVITY

CZC-54252 is a potent and selective LRRK2 inhibitor with IC₅₀s of 1.28 nM and 1.85 nM for human wild type LRRK2 and G2019S LRRK2, respectively.

SOLUBILITY

Soluble in DMSO

In vitro DMSO : ≥ 100 mg/mL

REFERENCES

[1].Ramsden N, et al. Chemoproteomics-based design of potent LRRK2-selective lead compounds that attenuate Parkinson's disease-related toxicity in human neurons. ACS Chem Biol. 2011 Oct 21;6(10):1021-8.