

Product Datasheet

CZC-54252 hydrochloride

Catalog No. **BP-02430A** · CAS **1784253-05-9** · Form **salt · hydrochloride** · Physical state **solid** · Color **Light yellow to orange**
· Version **1.0** · Revision **2026-09-11**

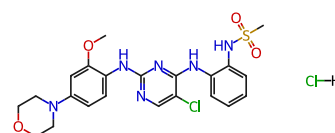
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Target LRRK2	Research area Neurological Disease
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Molecular formula **C₂₂H₂₆Cl₂N₆O₄S**

Molecular weight **541.4510**

STRUCTURE



DESCRIPTION

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

SOLUBILITY

Soluble in DMSO : 33.33 mg/mL

REFERENCES

[1].Nigel Ramsden, 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.

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Lot CoA and SDS are separate documents.