

## Product Datasheet

# LEI 101 hydrochloride

Catalog No. **BP-01997A** · CAS **2250025-91-1** · Form **salt** · **hydrochloride** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-10**

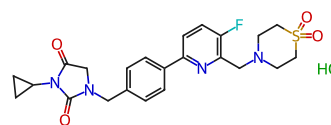
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|                                       |                                              |
|---------------------------------------|----------------------------------------------|
| Target<br><b>Cannabinoid Receptor</b> | Research area<br><b>Neurological Disease</b> |
|---------------------------------------|----------------------------------------------|

Molecular formula **C<sub>23</sub>H<sub>26</sub>ClFN<sub>4</sub>O<sub>4</sub>S**

Molecular weight **508.9930**

### STRUCTURE



## DESCRIPTION

LEI-101 is a potent, selective, and orally bioavailable cannabinoid CB2 receptor agonist, with a pEC<sub>50</sub> of 8 for hCB<sub>2</sub>, and a pK<sub>i</sub> of less than 4 for hERG. LEI-101 is ~100-fold more potent in binding to CB2 receptors than to CB1 receptors[1][2].

## SOLUBILITY

soluble in DMSO

## REFERENCES

[1]. Mario van der Stelt, et al. Discovery and Optimization of 1-(4-(pyridin-2-yl)benzyl)imidazolidine-2,4-dione Derivatives as a Novel Class of Selective Cannabinoid CB2 Receptor Agonists. J Med Chem. 2011 Oct 27;54(20):7350-62.

[2]. Partha Mukhopadhyay, et al. The Novel, Orally Available and Peripherally Restricted Selective Cannabinoid CB2 Receptor Agonist LEI-101 Prevents Cisplatin-Induced Nephrotoxicity. Br J Pharmacol. 2016 Feb;173(3):446-58.

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Lot CoA and SDS are separate documents.