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**Product Data Sheet**

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Product Name: LEI 101 hydrochloride

Cat. No.: GC50273

**Chemical Properties**

Cas. No.

SMILES FC1=CC=C(C2=CC=C(C=C2)CN3CC(N(C3=O)C4CC4)=O)N=C1CN5CCS(=O)(CC5)=O.ClFormula C<sub>23</sub>H<sub>25</sub>FN<sub>4</sub>O<sub>4</sub>S.HCl M.Wt 508.99

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Potent and selective CB2 partial agonist (pEC<sub>50</sub> = 8.0). Exhibits >100-fold selectivity for CB2 over CB1 and no significant interaction with hFAAH, MAGL, DAGL or NAPE-PLD. Displays antinociceptive activity in a rat neuropathic pain model and attenuates renal inflammation in a mouse kidney damage model. Orally bioavailable with low brain penetration.

van der Stelt M et al (2011) 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. 54 7350 PMID:21923175 |Mukhopadhyay et al (2016) The novel, orally available and peripherally restricted selective cannabinoid CB2 receptor agonist LEI-101 prevents cisplatin-induced nephrotoxicity. Br.J.Pharmacol. 173 446 PMID:26398481

**Caution: Product has not been fully validated for medical applications. For research use only.**

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