

CZC-25146 (hydrochloride)

Catalog No: tcsc3208



Available Sizes

Size: 5mg

Size: 50mg



Specifications

CAS No:

1330003-04-7

Formula:

$C_{22}H_{26}ClFN_6O_4S$

Pathway:

Autophagy

Target:

LRRK2

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

525

Product Description

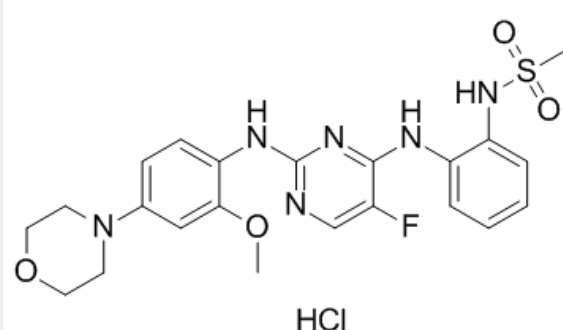
CZC-25146 Hcl is a potent, selective and metabolically stable LRRK2 inhibitor with IC50 of 4.76 nM/6.87 nM for wild type LRRK2 and G2019S LRRK2 respectively.

IC50 value: 4.76 nM/6.87 nM(wild type/G2019S LRRK2) [1]

Target: LRRK2

CZC-25146 displayed a very clean profile, it inhibited only five kinases (PLK4, GAK, TNK1, CAMKK2 and PIP4K2C) with high potency, none of which have been classified as predictors of genotoxicity or hematopoietic toxicity. CZC-25146 neither caused cytotoxicity in human cortical neurons at concentrations below 5

μM over a seven-day treatment in culture nor did it block neuronal development in vitro. CZC-25146 possesses favorable pharmacokinetic properties, such as a volume of distribution of 5.4 L/kg and a clearance of 2.3 L/hr/kg that render it suitable for in-vivo studies.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!