

Catalog	Unit
TBI1421-5MG	5 mg
TBI1421-25MG	25 mg

Product Details

Formal Name: N-[[[5-Chloro-2-[[2-methoxy-4-(4-(4-morpholinyl)phenyl)amino]-4-pyrimidinyl]amino]-phenyl]methanesulfonamide hydrochloride

Molecular Formula: C₂₂H₂₅ClN₆O₄S · HCl

Formula Weight: 541.46

CAS Number: 1199911-27-9

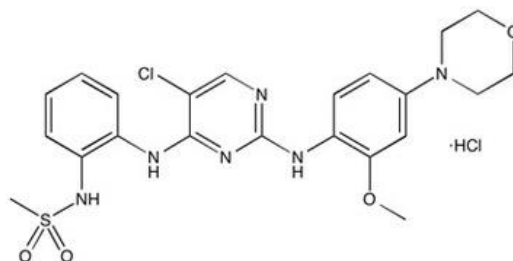
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

LRRK2 inhibitor

Functions

Novel, potent and selective inhibitor of the leucine-rich repeat kinase-2 (LRRK2), IC₅₀ = 1.28 nM. Also inhibits G2019S mutant LRRK2, IC₅₀ = 1.85 nM. Attenuates the neuronal damage elicited by the action of LRRK2 G2019S mutant in primary human neurons (EC₅₀ = 1 nM)¹. The G2019S mutant is a common mutation found in familial Parkinson's disease patients. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.