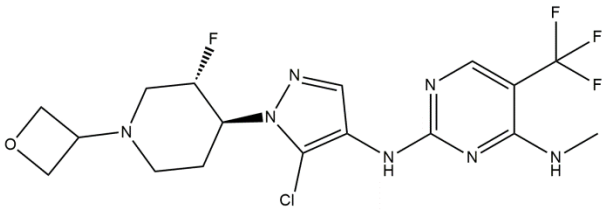
GNE-9605

ALTERNATE NAME: 2-N-[5-chloro-1-[(3S,4S)-3-fluoro-1-(oxetan-3-yl)piperidin-4-yl]pyrazol-4-yl]-4-N-methyl-5-(trifluoromethyl)pyrimidine-2,4-diamine

CATALOG #:
B2943-1 1 mg
B2943-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{17}H_{20}ClF_4N_7O$

MOLECULAR WEIGHT: 449.83

CAS NUMBER: 1536200-31-3

APPEARANCE: A crystalline solid

PURITY: 99.26%

SOLUBILITY:
~20 mg/ml in DMSO
~1 mg/ml in methanol

DESCRIPTION: GNE-9605 is a selective, brain-penetrable Leucine-rich repeat kinase 2 (LRRK2) inhibitor with an IC_{50} of 19 nM. Mutations in LRRK2 are associated with Parkinson's disease. GNE-9065 inhibits LRRK2 Ser1292 autophosphorylation in BAC transgenic mice expressing human LRRK2 protein with the G2019S mutation.

STORAGE TEMPERATURE: -20ºC. Store in the dark. Product is light sensitive. Protect from air. Store under desiccating conditions.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCE: Estrada, A.A., Chan, B.K., Baker-Glenn, C., et al. Discovery of highly potent, selective, and brain-penetrant aminopyrazole leucine-rich repeat kinase 2 (LRRK2) small molecule inhibitors. Journal of Medicinal Chemistry 57(3), 921-936 (2014).

RELATED PRODUCTS:

HG-10-012-01 (Cat. No. 2604)
GSK2578215A (Cat. No. 2845)
LRRK2-IN-1 (Cat. No. B2940)
CZC-25146 (Cat. No. B2941)
GNE-0877 (Cat. No. B2942)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***