

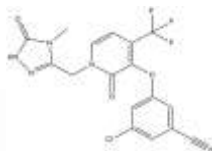
PRODUCT: MK-1439

ALTERNATE NAME: 3-Chloro-5-((1-((4-methyl-5-oxo-4,5-dihydro-1H-1,2,4-triazol-3-yl)methyl)-2-oxo-4-(trifluoromethyl)-1,2-dihydropyridin-3-yl)oxy)benzotrile; Doravirine

CATALOG #: B1250-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₁₁ClF₃N₅O₃

MOLECULAR WEIGHT: 425.75

CAS NUMBER: 1338225-97-0

APPEARANCE: Pale yellow solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light.

DESCRIPTION: MK-1439 (also known as Doravirine), is a non-reversible reverse transcriptase inhibitor used in the treatment of HIV/AIDS with IC₅₀ values of 12, 9.7, and 9.7 nM against the wild type (WT), K103N and Y181C reverse transcriptase (RT) mutants, respectively. It displays excellent activity of suppressing the replication of WT virus with 95% effective concentration of 20 nM. It also exhibited anti-virus activity against 10 different HIV-1 subtype viruses including K103N, Y81C.

REFERENCES: Gulick, R.M., *et.al.* (2015). *Top. Antivir. Med.*, **23**, 128-131

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

RELATED PRODUCTS:

Acyclovir (Cat. No. 2200-50, 250)

5-Azacytidine (Cat. No. 1854-50, 250)

6-Azauridine (Cat. No. B1024-100, 500)

(-)-6-Azauridine 2', 3', 5'-triacetate (Cat. No. B1025-50, 250)

Azidothymidine (Cat. No. B1113-10, 50)

Clemizole (Cat. No. 2481-10,50)

GSK1349572 (Cat. No. 2288-5, 25)

MK-1439 (Cat. No. B1250-5,25)

Ribavirin (Cat. No. 2199-10, 50)

Simeprevir (Cat. No. B1173-5,25)

T-705 (Favipiravir) (Cat. No. 2778-5,25)

Telaprevir (Cat. No. B1235-5,25)

Troviridine (Cat. No. B1212-10, 50)

Valacyclovir hydrochloride (Cat. No. 2201-10, 50)

Velpatasvir (Cat. No. B1194-5,25)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**