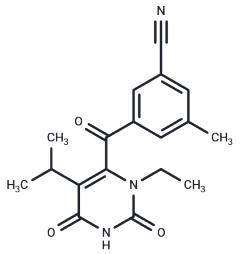
Data Sheet (Cat.No.T67804)

TargetMol
YOUR TARGET MOLECULES

KM-023

Chemical Properties



CAS No. : 1097628-00-6

Formula: C18H19N3O3

Molecular Weight: 325.36

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	KM-023 is a new second-generation non-nucleoside reverse transcriptase inhibitor for the study of human immunodeficiency virus (HIV) type 1 infection.
Targets(IC50)	HIV Protease
In vivo	KM-023 demonstrated dose- and time-dependent nonlinear pharmacokinetic characteristics after single or multiple doses over a dose range (75-600 mg) in healthy subjects. KM-023 showed a 0.6-fold accumulation after multiple doses in the 600 mg dose group. The mean half-life values ranged between 20.7 and 31.2 hours. KM-023 was generally well tolerated without serious adverse events. KM-023 showed favorable tolerability in this study.[1]

Solubility Information

Solubility	DMSO: 11 mg/mL (33.81 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0735 mL	15.3676 mL	30.7352 mL
5 mM	0.6147 mL	3.0735 mL	6.147 mL
10 mM	0.3074 mL	1.5368 mL	3.0735 mL
50 mM	0.0615 mL	0.3074 mL	0.6147 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Cha YJ, et al. Pharmacokinetics and tolerability of the new second-generation nonnucleoside reverse-transcriptase inhibitor KM-023 in healthy subjects. Drug Des Devel Ther. 2014;8:1613-1619.

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