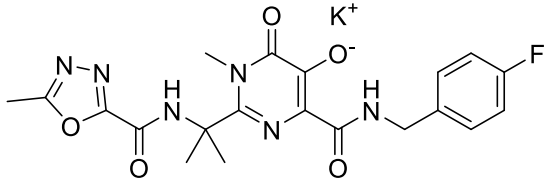




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
300210	Raltegravir potassium	C8R10B01

Chemical name	
potassium 4-((4-fluorobenzyl)carbamoyl)-1-methyl-2-(2-(5-methyl-1,3,4-oxadiazole-2-carboxamido)propan-2-yl)-6-oxo-1,6-dihydropyrimidin-5-olate	
Synonyms	
MK0518; MK 0518; MK-0518; HSDB-8124; HSDB 8124; HSDB8124; Raltegravir; brand name: Isentress	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 300210 Name: Raltegravir potassium CAS#: 871038-72-1 (potassium) Lot #: C8R10B01 Chemical Formula: C ₂₀ H ₂₀ FKN ₆ O ₅ Molecular Weight: 482.51

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>99.0%
Solubility	~0.5 mg/ml in a 1:1 solution of DMSO:PBS (pH 7.2); ~2 mg/ml in DMSO; ~1 mg/ml in DMF
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE