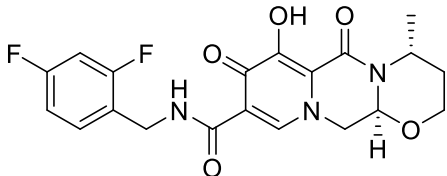




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
315142	Dolutegravir	A9T11K04

Chemical name	
(4R,12aS)-N-(2,4-difluorobenzyl)-7-hydroxy-4-methyl-6,8-dioxo-3,4,6,8,12,12a-hexahydro-2H-pyrido[1',2':4,5]pyrazino[2,1-b][1,3]oxazine-9-carboxamide	
Synonyms	
Dolutegravir; GSK1349572; GSK-1349572; GSK 1349572. Tivicay; S/GSK1349572.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Code#: 315142 Name: Dolutegravir Lot# A9T11K04 CAS#: 1051375-16-6 Chemical Formula: C ₂₀ H ₁₉ F ₂ N ₃ O ₅ Exact Mass: 419.1292 Molecular Weight: 419.38

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)	>98.0%
Solubility	Soluble in DMSO.
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