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CERTIFICATE OF ANALYSIS

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1. Identification

CAS Number:
1051375-16-6

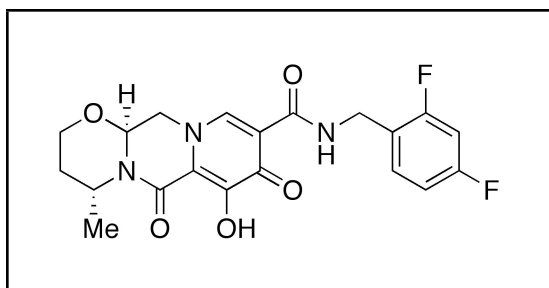
Catalogue Number:
D528800

Product:
Dolutegravir

Synonyms:

(4R,12aS)-N-[(2,4-Difluorophenyl)methyl]-3,4,6,8,12,12a-hexahydro-7-hydroxy-4-methyl-6,8-dioxo-2H-pyrido[1',2':4,5]pyrazino[2,1-b][1,3]oxazine-9-carboxamide; GSK 1349572; S/GSK1349572;

Structure:



Molecular Formula:

C₂₀H₁₉F₂N₃O₅

Molecular Weight:

419.38

Source of Product:

2. Analytical Information

Lot Number:
21-ABY-141-1

Melting Point:
188 - 190°C

Boiling Point:
N/A

Atmosphere:
Air

Appearance of Product:
White Solid

Solubility
DMSO, Methanol (Sparingly)

Method for Determining Identity:
¹H NMR (DMSO-d₆), ¹⁹F NMR (DMSO-d₆), and MS

Stability
Not determined

Purity:
98%

Long Term Storage Condition:
Refrigerator

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol : Acetic Acid = 9 : 1 : 0.1; Visualized with UV and KMnO₄; Single Spot, R_f = 0.50.
¹H NMR, ¹⁹F NMR, and MS conform to structure.

Philip Chan, Quality Control Supervisor

QC Test Date
March 4, 2013

Retest Date
March 4, 2016