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CERTIFICATE OF ANALYSIS

2 Brisbane Road, North York, ON. M3J 2J8 Canada Tel: (416) 665-9696 Fax: (416) 665-4439
E-mail: orders@trc-canada.com Website: www.trc-canada.com

1. Identification

CAS Number:

211364-69-1

Catalogue Number:

M567000

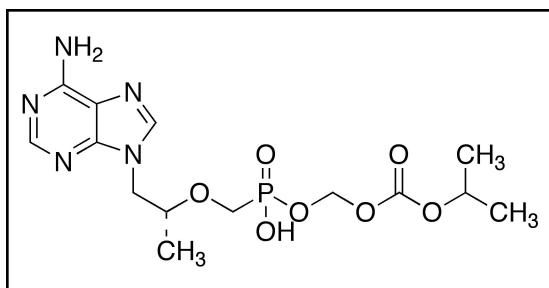
Product:

**Mono-POC Tenofovir
(Mixture of Diastereomers)**

Synonyms:

(8R)-9-(6-Amino-9H-purin-9-yl)-5-hydroxy-8-methyl-2,4,7-trioxa-5-phosphanonanoic Acid 1-Methylethyl Ester 5-Oxide; Tenofovir Monoisoproxil;

Structure:



Molecular Formula:

C₁₄H₂₂N₅O₇P

Molecular Weight:

403.33

Source of Product:

Synthetic

2. Analytical Information

Lot Number:

9-GJF-4-7

Melting Point:

>288°C (dec.)

Boiling Point:

N/A

Atmosphere:

Inert Gas

Appearance of Product:

Off-White Solid

Solubility

DMSO, Methanol

Method for Determining Identity:

¹H NMR (CD₃OD, DMSO), ³¹P NMR (CD₃OD), and MS

Stability

Hygroscopic

Purity:

95%

Long Term Storage Condition:

Hygroscopic, -20°C Freezer, Under Inert Atmosphere

Additional Information:

TLC Conditions: C₁₈; Acetonitrile : Water = 8 : 2; Visualized with UV and Ninhydrin; Single spot, R_f = 0.40.

¹H NMR, ³¹P NMR, and MS conform to structure.

Elemental Analysis: (Found) %C: 39.46, %H: 5.20, %N: 16.16; (Calculated) %C: 41.69, %H: 5.50, %N: 17.36.

Philip Chan, Quality Control Supervisor

QC Test Date

February 21, 2014

Retest Date

February 19, 2017