



Bringing you products for innovative research.

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:

147127-20-6

Catalogue Number:

T018500

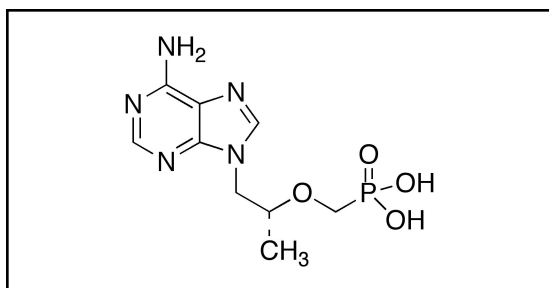
Product:

Tenofovir

Synonyms:

[[[(1R)-2-(6-Amino-9H-purin-9-yl)-1-methylethoxy]methyl]phosphonic Acid;
(R)-9-(2-Phosphonomethoxypropyl)adenine; (R)-PMPA; GS-1278;

Structure:



Molecular Formula:

C₉H₁₄N₅O₄P

Molecular Weight:

287.21

Source of Product:

2. Analytical Information

Lot Number:

18-ABY-159-1

Melting Point:

278-281°C (dec.)

Boiling Point:

N/A

Atmosphere:

Air

Appearance of Product:

White Solid

Solubility

DMSO (Heated), Water (Heated)

Method for Determining Identity:

¹H NMR (DMSO-d₆) Spectroscopic and Mass Spectrometric Analysis

Stability

Not determined

Purity:

98%

Long Term Storage Condition:

-20°C Freezer

Additional Information:

TLC Conditions: C₁₈; Acetonitrile : Water : Ammonium Hydroxide = 6 : 3 : 0.2; Visualized with UV; Single spot, R_f=0.5.
¹H NMR and Mass spectra conform to structure.

Philip Chan, Quality Control Supervisor

QC Test Date

August 15, 2012

Retest Date

August 15, 2015