



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

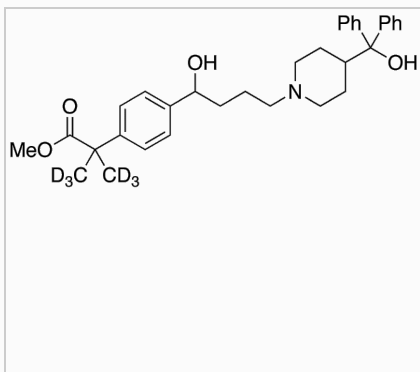
Catalogue Number: F322512

CAS Number: 1286458-00-1

Product: Fexofenadine-d6 Methyl Ester

Synonym: 4-[1-Hydroxy-4-[4-(hydroxydiphenylmethyl)-1-piperidinyl]butyl]- α,α -(dimethyl-d6)benzeneacetic Acid Methyl Ester; Methyl 4-[4-[4-(Hydroxydiphenylmethyl)-1-piperidinyl]-1-hydroxybutyl]- α,α -(dimethyl-d6)phenylacetate;

Structure:



Molecular Formula:

$C_{33}H_{35}D_6NO_4$

Molecular weight:

521.72

Source of Product:

Synthetic

Solubility:

DMSO (Slightly, Sonicated),
Methanol (Slightly)

Lot Number: 1-MH-100-1

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 73.45, %H: 8.08, %N: 2.64
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.9%

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol = 9 : 1; Visualized with UV and KMnO₄; Single Spot, R_f = 0.40. Elemental Analysis: (Theoretical) %C: 75.97, %H: 7.93, %N: 2.68 Normalized Intensity: d₀ = 0.02%, d₁ = 0.00%, d₂ = 0.01%, d₃ = 0.00%, d₄ = 0.06%, d₅ = 0.47%, d₆ = 99.45% Contains: ~2.3% Chloroform

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of \pm 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By

Neha Khanna



Reviewed By

Toni Rantanen



**C of A Approved
By**

My Nguyen



Test Date

12/11/2019

Retest Date

12/10/2029