



## CERTIFICATE OF ANALYSIS

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### 1. Identification

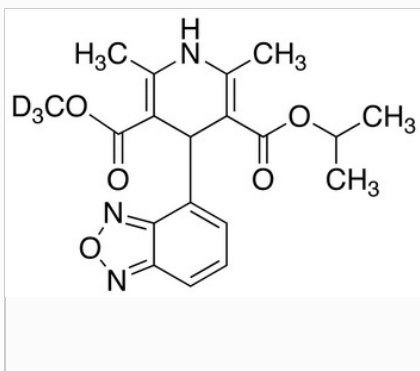
**Catalogue Number:** I925002

**CAS Number:** 1189959-59-8

**Product:** Isradipine-d3

**Synonym:** 4-(4-Benzofurazanyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic Acid Methyl-d3 1-Methylethyl Ester; Isrodipine-3; PN-200-110-d3; Clivoten-d3; DynaCirc-d3; Esradin-d3; Lomir-d3; Prescal-d3;

**Structure:**



**Molecular Formula:**

C<sub>19</sub>H<sub>18</sub>D<sub>3</sub>N<sub>3</sub>O<sub>5</sub>

**Molecular weight:**

374.41

**Source of Product:**

Synthetic

**Solubility:**

Chloroform (Slightly),  
Methanol (Slightly)

**Lot Number:** 7-MDB-199-3

**Purity:** 98%

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

**Storage Condition:** -20°C

### 2. Warning

**Warning 1:** Not Determined

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Yellow Solid	Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 60.45, %H: 5.18, %N: 11.09
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+0.2° (c = 0.5, Methanol)
Isotopic Purity	>95%	99.9%
HPLC Purity	>95%	99.08% (235 nm)

**Additional Information:**

Elemental Analysis: (Theoretical) %C: 60.95, %H: 5.66, %N: 11.22  
Normalized Intensity: d0 = 0.02%, d1 = 0.06%, d2 = 0.16%, d3 = 99.77%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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**

Henry Tieu



**Reviewed By**

Toni Rantanen



**C of A Approved  
By**

My Nguyen



**Test Date**

8/19/2020

**Retest Date**

8/17/2027