

## 1. Identification

**Catalogue Number**

E425003

**Lot Number**

21-MNZ-156-2

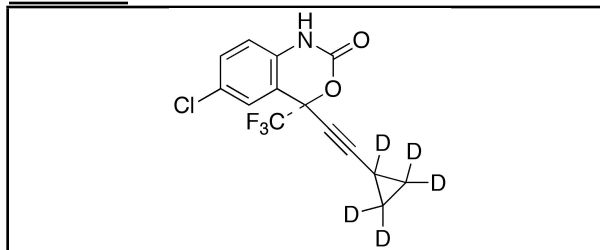
**Product Name**

rac Efavirenz-d5 (major)

**Synonyms**

6-Chloro-4-(2-cyclopropyl-d5-ethynyl)-1,4-dihydro-4-(trifluoromethyl)-2H-3,1-benzoxazin-2-one; DMP 266-d5; L 743726-d5; Stocrin-d5; Sustiva-d5;

**Structure**



**CAS Number**

1132642-95-5

**Solubility**

DMSO (Slightly), Methanol (Slightly)

**Shipping Condition**

This Product Is Stable To Be Shipped At Room Temperature

**Molecular Formula**

C<sub>14</sub>H<sub>4</sub>D<sub>5</sub>ClF<sub>3</sub>NO<sub>2</sub>

**Source of Product**

Synthetic

**Long Term Storage Conditions**

-20°C

**Molecular Weight**

320.71

**Purity**

>95%

## 2. Warnings

Not Determined

## 3. Analytical Information

**Tests**

Appearance

**Specifications**

White to Pale Beige Solid

**Results**

White Solid

NMR

Conforms to Structure

Conforms

F NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 52.38, %H: 2.73, %N: 4.36

HPLC Purity

>95%

99.74% (205 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

Report Result

99.4%

**Additional Information**

Normalized Intensity: d<sub>0</sub> = 0.00%, d<sub>1</sub> = 0.00%, d<sub>2</sub> = 0.01%, d<sub>3</sub> = 0.03%, d<sub>4</sub> = 2.74%, d<sub>5</sub> = 97.23%

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  
Product Quality Specialist

**Reviewed by**

Toni Rantanen  
Manager, Quality Assurance

**C of A Approved by**

Chanell Chu  
Jr. Quality Assurance

**Test Date**

6/15/2023

**Retest Date**

6/13/2027