

## 1. Identification

**Catalogue Number**

P348791

**Lot Number**

3-JNZ-6-4

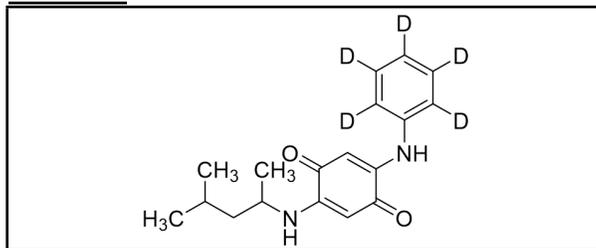
**Product Name**

6PPD-quinone-D5

**Synonyms**

2-((4-Methylpentan-2-yl)amino)-5-(phenylamino)cyclohexa-2,5-diene-1,4-dione D5 (Aniline D5); 6PPD-quinone D5; 6PPD-Quinone D5; 2-((4-Methylpentan-2-yl)amino)-5-((phenyl-d5)amino)cyclohexane-1,4-dione;

**Structure**



**CAS Number**

2750119-14-1

**Solubility**

Chloroform (Slightly), Methanol (Slightly)

**Shipping Condition**

This Product Is Stable To Be Shipped At Room Temperature

**Molecular Formula**

C18 D5 H17 N2 O2

**Source of Product**

Synthetic

**Long Term Storage Conditions**

-20°C, Inert atmosphere

**Molecular Weight**

303.41

**Purity**

>95%

## 2. Warnings

Not Determined

## 3. Analytical Information

**Tests**

Appearance

**Specifications**

Very Dark Red to Very Dark Brown Solid

**Results**

Very Dark Red to Very Dark Brown Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 70.80, %H: 7.14, %N: 9.30

HPLC Purity

>95%

97.56% (210 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.7%

**Additional Information**

Normalized Intensity:  $d_0 = 0.03\%$ ,  $d_1 = 0.04\%$ ,  $d_2 = 0.00\%$ ,  $d_3 = 0.53\%$ ,  $d_4 = 0.00\%$ ,  $d_5 = 99.40\%$

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**

Meenakshi Sharma  
Product Quality Specialist

**Reviewed by**

Toni Rantanen  
Manager, Quality Assurance

**C of A Approved by**

Christina Gouliaras  
Quality Assurance Associate

**Test Date**

6/3/2024

**Retest Date**

6/1/2028