



## 1. Identification

**Catalogue Number**

X743502

**Lot Number**

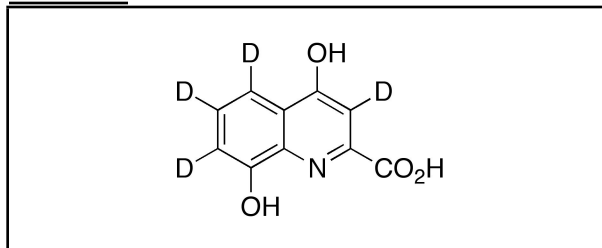
1-CJM-38-6

**Product Name**

Xanthurenic Acid-d4

**Synonyms**

4,8-Dihydroxy-2-quinolinecarboxylic Acid-d4; 4,8-Dihydroxyquinaldic Acid-d4; 8-Hydroxykynurenic Acid-d4; NSC 401570-d4; Xanthuric Acid-d4;

**Structure****CAS Number**

1329611-28-0

**Solubility**

DMSO (Slightly), Methanol (Slightly)

**Shipping Condition**

This Product Is Stable To Be Shipped At Room Temperature

**Molecular Formula** $C_{10}H_3D_4NO_4$ **Source of Product**

Synthetic

**Long Term Storage Conditions**

4°C, Inert atmosphere

**Molecular Weight**

209.19

**Purity**

&gt;95%

## 2. Warnings

Not Determined

## 3. Analytical Information

**Tests**

Appearance

**Specifications**

Light Yellow to Dark Green Solid

**Results**

Yellow to Dark Yellow Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

&gt;95%

99.03% (245 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

&gt;95%

98.4%

**Additional Information**Normalized Intensity:  $d_0 = 0.00\%$ ,  $d_1 = 0.00\%$ ,  $d_2 = 0.11\%$ ,  $d_3 = 6.28\%$ ,  $d_4 = 93.61\%$ 

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**

Henry Tieu

Product Quality Specialist

**Reviewed by**

Toni Rantanen

Manager, Quality Assurance

**C of A Approved by**

Christina Gouliaras

Quality Assurance Associate

**Test Date**

3/7/2024

**Retest Date**

3/5/2028