

1. Identification

Catalogue Number

T425602

Lot Number

2-EKP-169-3

Product Name

Thyroxine-13C6

Synonyms

O-(4-Hydroxy-3,5-diiodophenyl-1,2,3,4,5,6-13C6)-3,5-diiodo-L-tyrosine; 13C6-L-Thyroxine;

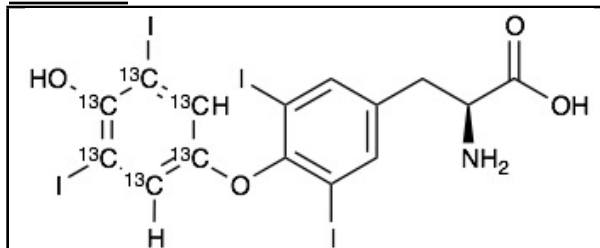
CAS Number

1217780-14-7

Solubility

DMSO (Slightly), Methanol (Slightly, Sonicated)

Structure



Molecular Formula

C₉¹³C₆H₁₁I₄NO₄

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere

Molecular Weight

782.83

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Pale Brown Solid

Results

Off-White to Pale Beige Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

>95%

98.89% (225 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

97.7%

Additional Information

Normalized Intensity: ¹³C₀ = 0.00%, ¹³C₁ = 1.37%, ¹³C₂ = 0.13%, ¹³C₃ = 0.36%, ¹³C₄ = 0.36%, ¹³C₅ = 4.46%, ¹³C₆ = 93.32%

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



Neha Khanna

Product Quality Specialist

Reviewed by



Toni Rantanen

Manager, Quality Assurance

C of A Approved by



Chanell Chu

Jr. Quality Assurance

Test Date

5/10/2023

Retest Date

5/8/2030