

Certificate of Analysis

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1. Identification

CAS Number:

1155-40-4

Catalogue Number:

D455140

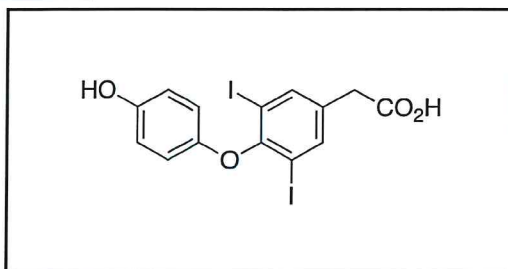
Product:

3,5-Diiodo Thyroacetic Acid

Synonyms:

4-(4-Hydroxyphenoxy)-3,5-diiodobenzeneacetic Acid; [4-(p-Hydroxyphenoxy)-3,5-diiodophenyl]acetic Acid; Diac; NSC 90463;

Structure:



Molecular Formula:

C₁₄H₁₀I₂O₄

Molecular Weight:

496.04

Source of Product:

Synthetic

2. Analytical Information

Lot Number:

14-BHW-49-1

Melting Point:

211 - 214°C

Appearance of Product:

Pale Brown Solid

Method for Determining Identity:

¹H NMR (DMSO-d₆) and MS

Purity:

95%

Atmosphere:

Air

Solubility

DMSO (Slightly), Methanol (Slightly)

Stability

Not Determined

Long Term Storage Condition:

Refrigerator

Shipping Condition

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol = 8 : 2; Visualized with UV and KMnO₄; Single Spot, R_f = 0.75.

¹H NMR and MS conform to structure.

Purity is based on the analytical results of the tests performed. NMR and TLC may have an accuracy of +/- 2%. Isotopic purity is based on mass distribution observed.


Philip Chan, Head of Quality Assurance

QC Test Date

June 2, 2016

Retest Date

May 31, 2020