



CERTIFICATE OF ANALYSIS

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1. Identification

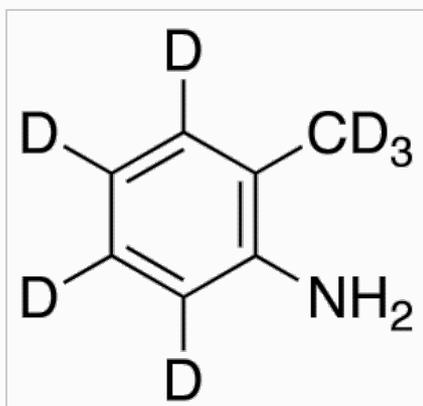
Catalogue Number: T536207

CAS Number: 68408-22-0

Product: 2-Toluidine-d7

Synonym: o-Toluidine-d7; 1-Amino-2-methylbenzene-d7; 2-Amino-1-methylbenzene-d7; 2-Aminotoluene-d7; 2-Methyl-1-aminobenzene-d7; 2-Methylaniline-d7; 2-Methylbenzenamine-d7; 2-Methylphenylamine-d7; 2-Tolylamine-d7; NSC 15348-d7; o-Aminotoluene-d7; o-Methylaniline-d7; o-Methylbenzenamine-d7;

Structure:



Molecular Formula:

$C_7H_2D_7N$

Molecular weight:

114.2

Source of Product:

N/A

Solubility:

Chloroform (Soluble), Ethyl Acetate (Slightly)

Lot Number: 2-PRA-63-1

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Light Orange to Dark Brown Oil	Light Orange to Orange Oil
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 72.50, %H: 8.15, %N: 12.38
HPLC Purity	Report Result	99.26% (205 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.1%

Additional Information:

Normalized Intensity: d0 = 0.02%, d1 = 0.05%, d2 = 0.06%, d3 = 0.30%, d4 = 0.50%, d5 = 0.72%, d6 = 8.49%, d7 = 89.86%

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



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

7/31/2023

Retest Date

7/29/2027