



1. Identification

Catalogue Number

C718361

Lot Number

9-NES-187-3

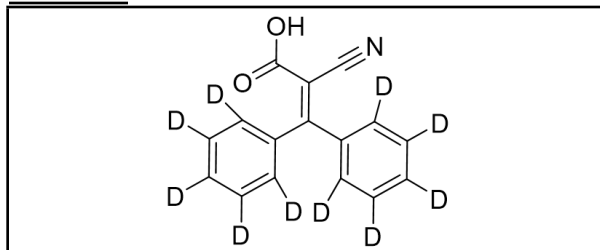
Product Name

2-Cyano-3,3-diphenylacrylic Acid-d10

Synonyms

3,3-Diphenyl-2-cyanoacrylic Acid-d10

Structure



CAS Number

2196203-34-4

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C16HD10NO2

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere

Molecular Weight

259.33

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 74.31, %H: 4.37, %N: 5.89
HPLC Purity	>95%	100.00% (225 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	97.6%

Additional Information

Normalized Intensity: $d_0 = 0.02\%$, $d_1 = 0.01\%$, $d_2 = 0.02\%$, $d_3 = 0.06\%$, $d_4 = 0.04\%$, $d_5 = 0.41\%$, $d_6 = 4.89\%$, $d_7 = 0.21\%$, $d_8 = 0.21\%$, $d_9 = 0.00\%$, $d_{10} = 94.14\%$

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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			12/20/2024	12/18/2028
Farnaz Mahmoudi	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		