

1. Identification

Catalogue Number

D531755

Lot Number

1-JSC-128-1

Product Name

Donepezil-13C3 Hydrochloride

Synonyms

2,3-Dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-1H-inden-1-one
-13C3 Hydrochloride; Aricept-13C3; Aricept D-13C3; BNAG-13C3; E 2020-13C3;

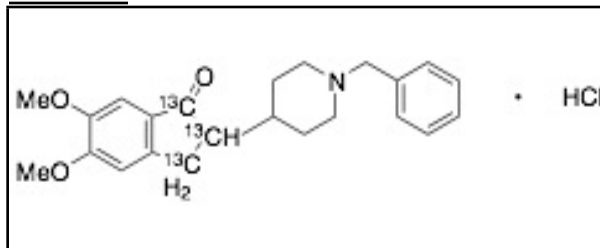
CAS Number

1246814-90-3

Solubility

DMSO (Slightly), Methanol (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₁¹³C₃H₂₉NO₃ • HCl

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

418.93

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
C NMR	Conforms to Structure	Conforms
HPLC Purity	>95%	98.26% (210 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.9%

Additional Information

Normalized Intensity: ¹³C₀ = 0.01%, ¹³C₁ = 0.00%, ¹³C₂ = 3.26%, ¹³C₃ = 96.73%

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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			9/25/2025	9/23/2029
Vijaya Annapareddy Product Quality Specialist	Toni Rantanen Manager, Quality Assurance	Nicole Badiali Quality Assurance Associate		