

**1. Identification**Catalogue Number

B689562

Lot Number

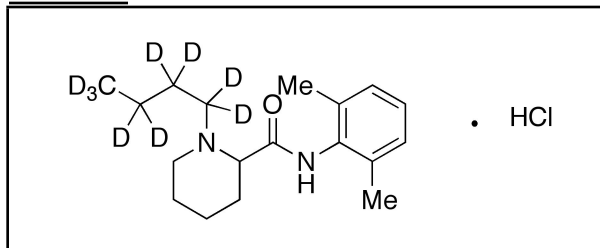
7-MIE-16-3

Product Name

Bupivacaine-d9 Hydrochloride

Synonyms

1-(Butyl-d9)-N-(2,6-dimethylphenyl)-2-piperidinecarboxamide Hydrochloride; dl-1-n-(Butyl-d9)piperidine-2-carboxylic Acid 2,6-Dimethylanilide Hydrochloride;

StructureCAS Number

1286973-34-9

Solubility

Chloroform (Slightly), DMSO (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula $C_{18}H_{20}D_9ClN_2O$ Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

333.94

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 Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 64.34, %H: 8.63, %N: 8.33
HPLC Purity	>95%	98.31% (215 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.4%
Chloride Content	Report Result	10.4%

Additional Information

Normalized Intensity: $d_0 = 0.00\%$, $d_1 = 0.00\%$, $d_2 = 0.00\%$, $d_3 = 0.00\%$, $d_4 = 0.00\%$, $d_5 = 0.01\%$, $d_6 = 0.02\%$, $d_7 = 0.17\%$, $d_8 = 5.18\%$, $d_9 = 94.63\%$

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>
R. Swathi			11/24/2023	11/22/2027
swathi reddy	Toni Rantanen	Christina Gouliaras		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		