



CERTIFICATE OF ANALYSIS

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1. Identification

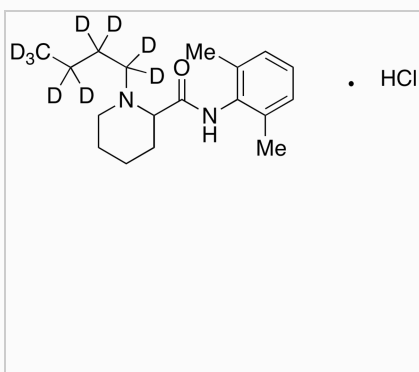
Catalogue Number: B689562

CAS Number: 1286973-34-9

Product: Bupivacaine-d9 Hydrochloride

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

Structure:



Molecular Formula:

C₁₈H₂₀D₉ClN₂O

Molecular weight:

333.94

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 3-YKZ-152-3

Purity: 98%

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	White to Off-White Solid	White to Off-White Solid
Elemental Analysis	Conforms	%C: 63.14, %H: 9.13, %N: 8.03
HPLC Purity	Report Result	100.00% (215 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.3%
NMR	Conforms to Structure	Conforms

Additional Information:

Normalized Intensity: d0 = 0.09%, d1 = 0.06%, d2 = 0.01%, d3 = 0.04%, d4 = 0.03%, d5 = 0.00%, d6 = 0.07%, d7 = 0.04%, d8 = 4.72%, d9 = 94.94%,

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

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Christina Gouliaras	11/18/2022	11/16/2032