

1. Identification

Catalogue Number

TRC-C441602

Lot Number

14-XAL-29-1

Product Name

Cimaterol-d7

Synonyms

2-Amino-5-[1-hydroxy-2-[(1-methylethyl-d7)amino]ethyl]benzonitrile; CL 263780-d7;

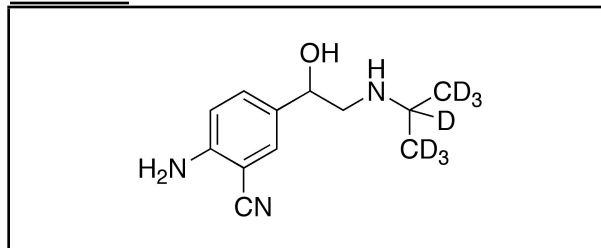
CAS Number

1228182-44-2

Solubility

DMSO (Slightly), Methanol (Slightly)

Structure



Molecular Formula

C₁₂H₁₀D₇N₃O

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere

Molecular Weight

226.33

Purity

98%

2. Warnings

Not Determined

3. Analytical Information



<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Off-White to Pale Yellow Solid	Off-White to Pale Yellow Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.75% (250 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.8% (d ₀ = 0.00%)
Specific Rotation	Report Result	0.0° (c = 0.2, Methanol)

Additional Information

N/A

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>
Evan Burns			7/23/2021	7/21/2025
Evan Burns	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Jr. Quality Assurance		