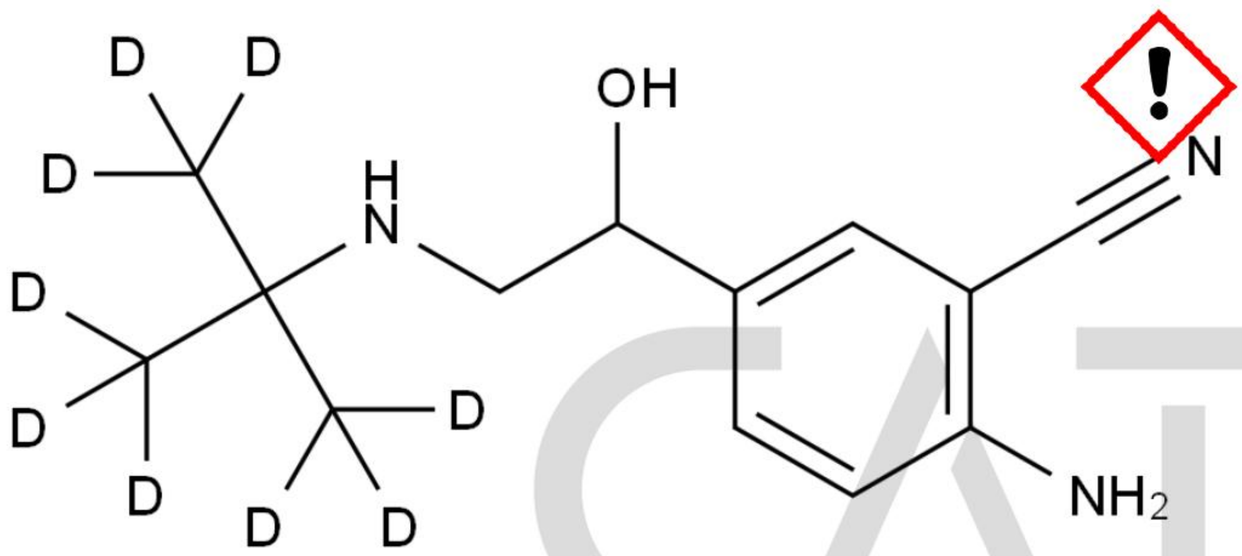
Certificate of Analysis

Reference Material & Standard

Product Name:	Cimbuterol-d9	**Catalogue Number:**	CCAD301095
Synonyms:	N/A	**Lot Number:**	0313-RE-0082
CAS Number:	1246819-04-4	**Expiry Date:**	Jan 08, 2025
Molecular Formula:	C13H10D9N3O	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	242.36		
Chemical Structure:		**Warning:**	



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Powder
Identification	HNMR	Confirmed
Chemical Purity	HPLC	99.9%
Isotopic Purity		98.0%
Residual Solvents	NMR	0.7% ethanol
Uncertainty		±2.0%

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Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: 古雪 Date: Jan 09, 2018

Reviewed by: Xenia Date: Mar 17, 2023

Aporoved by General Manager: David Date: Mar 17, 2023

CATO Research Chemicals Inc.