CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

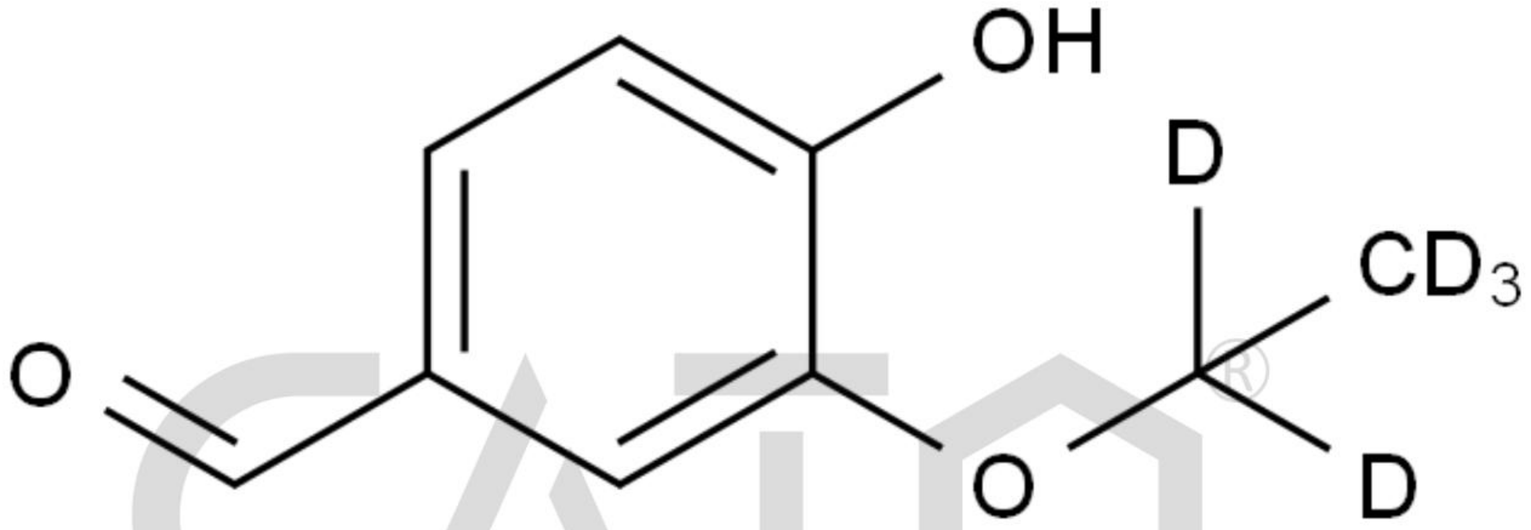
No.: 202301310069

Certificate of Analysis

Reference Material & Standard

Product Name:	Ethyl-d5 Vanillin	**Catalogue Number:**	CCFD201145
Synonyms:	N/A	**Lot Number:**	1021-RD-0040
CAS Number:	1335401-74-5	**Expiry Date:**	Feb 02, 2027
Molecular Formula:	C9H5D5O3	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	171.20		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.5%
Isotopic Purity		99.7%
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: Xenia Date: Feb 03, 2023

Reviewed by: Jinlan Date: Feb 07, 2023

Aporoved by General Manager: David Date: Feb 07, 2023

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