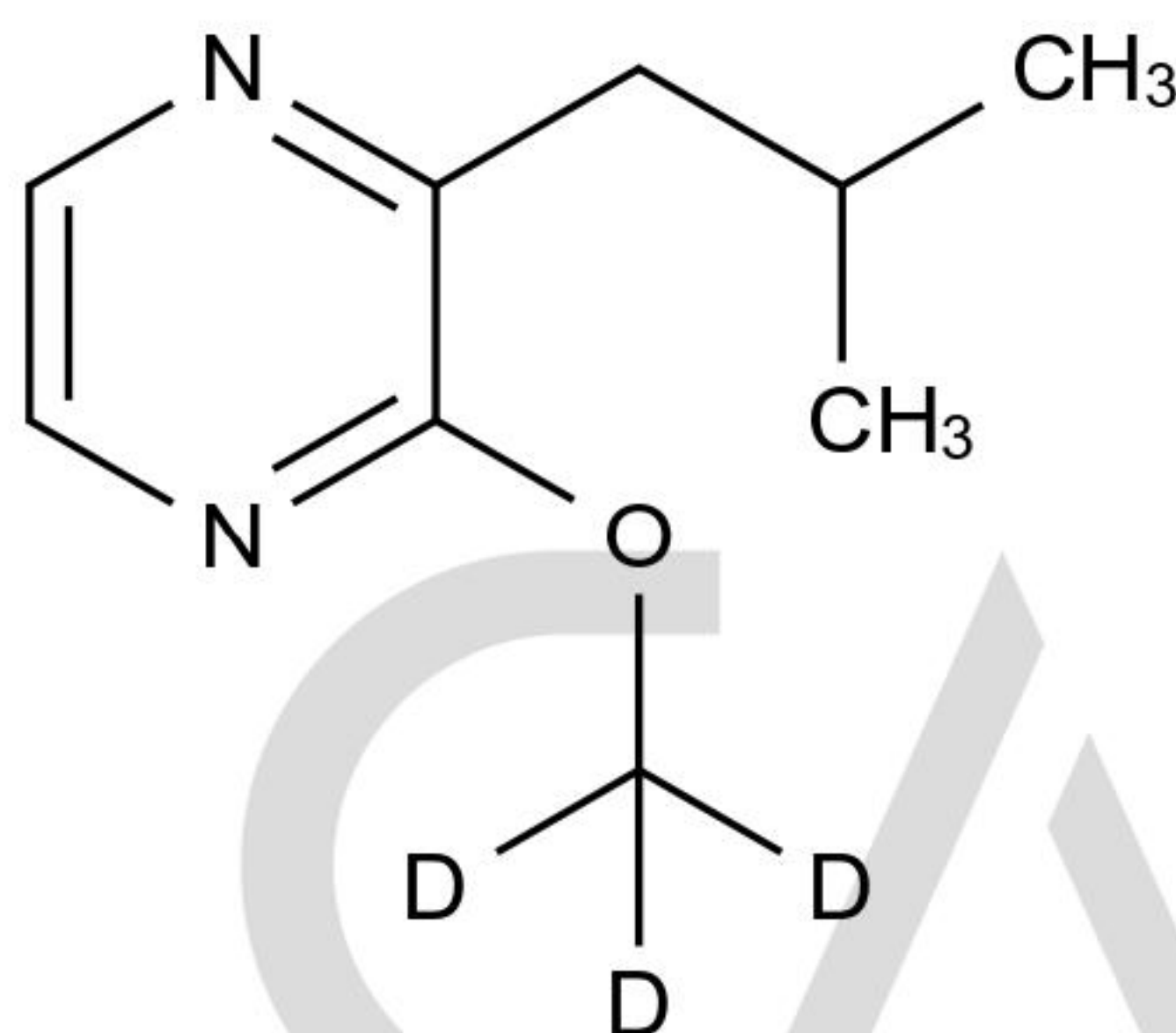


Certificate of Analysis

Reference Material & Standard

Product Name:	2-Isobutyl-3-methoxy-d3-pyrazine	Catalogue Number:	CCHM705767
Synonyms:	N/A	Lot Number:	0413-RH-0126
CAS Number:	588732-63-2	Expiry Date:	Feb 08, 2029
Molecular Formula:	C ₉ H ₁₁ D ₃ N ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	169.24	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	HNMR	Confirmed
Chemical Purity	GC	99.4%
Isotopic Purity		99.9%
Uncertainty		±0.1%

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:

Lisa

Reviewed by:

Jim

Approved by General Manager:

David

Date: Apr 14, 2026

Date: Apr 14, 2026

Date: Apr 14, 2026



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