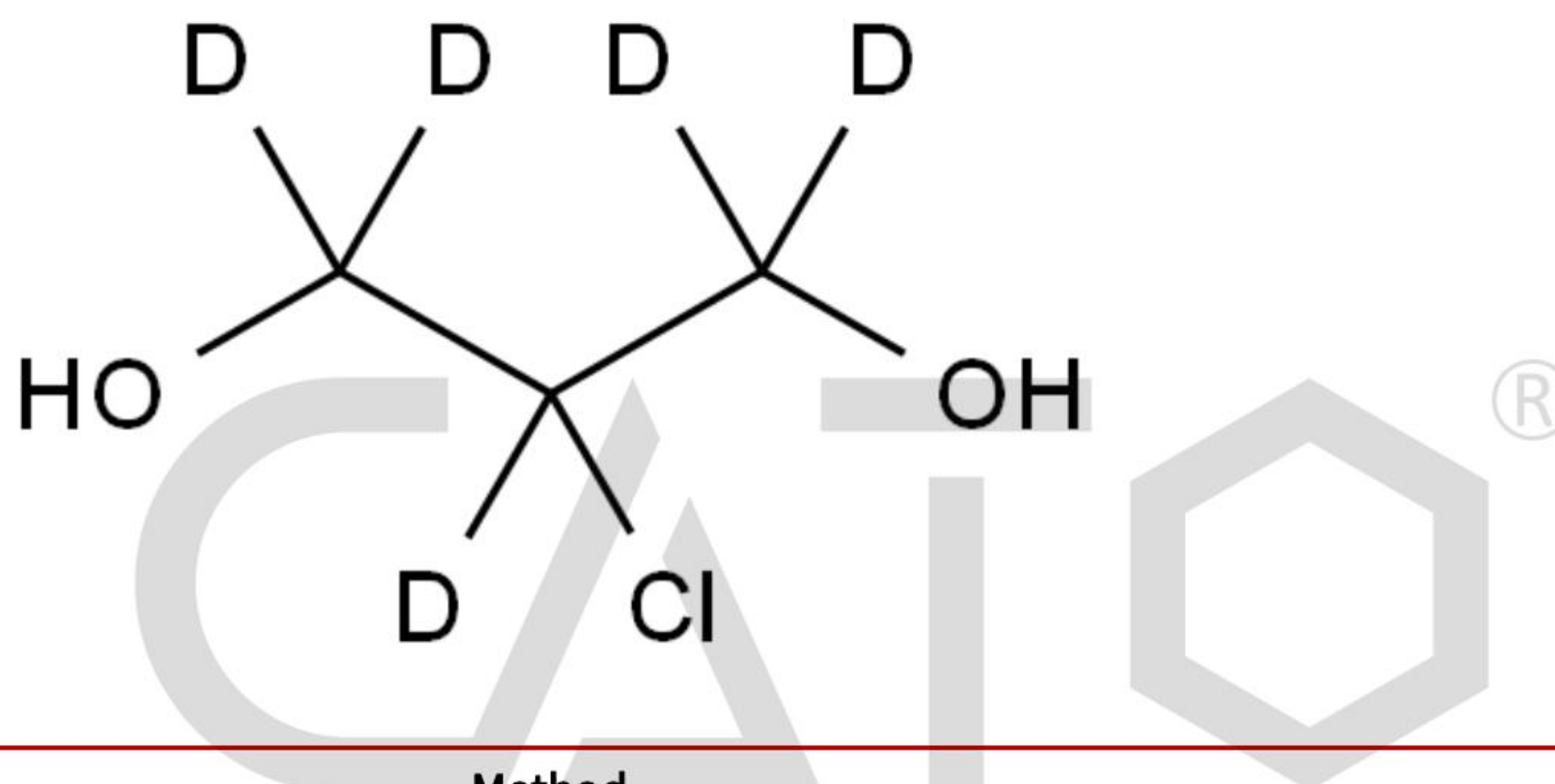


# Certificate of Analysis

## Reference Material & Standard

|                    |                             |                   |                                           |
|--------------------|-----------------------------|-------------------|-------------------------------------------|
| Product Name:      | 2-Chloro-1,3-propanediol-d5 | Catalogue Number: | CCHM701324                                |
| Synonyms:          | N/A                         | Lot Number:       | 0328-RF-0030                              |
| CAS Number:        | 1216764-05-4                | Expiry Date:      | Jun 28, 2027                              |
| Molecular Formula: | C3H2D5ClO2                  | Storage:          | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 115.57                      |                   |                                           |

Chemical Structure:



| Test Items      | Method            | Results        |
|-----------------|-------------------|----------------|
| Appearance      | Visual inspection | Colourless Oil |
| Identification  | GCMS&HNMR         | Confirmed      |
| Chemical Purity | GC                | 99.8%          |
| Isotopic Purity |                   | 95.6%          |
| Uncertainty     |                   | ±2.0%          |

## 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:

*Hinlam*

Aporoved by General Manager:

*David*

Date: Mar 28, 2024

Date: Mar 28, 2024

Date: Mar 28, 2024

