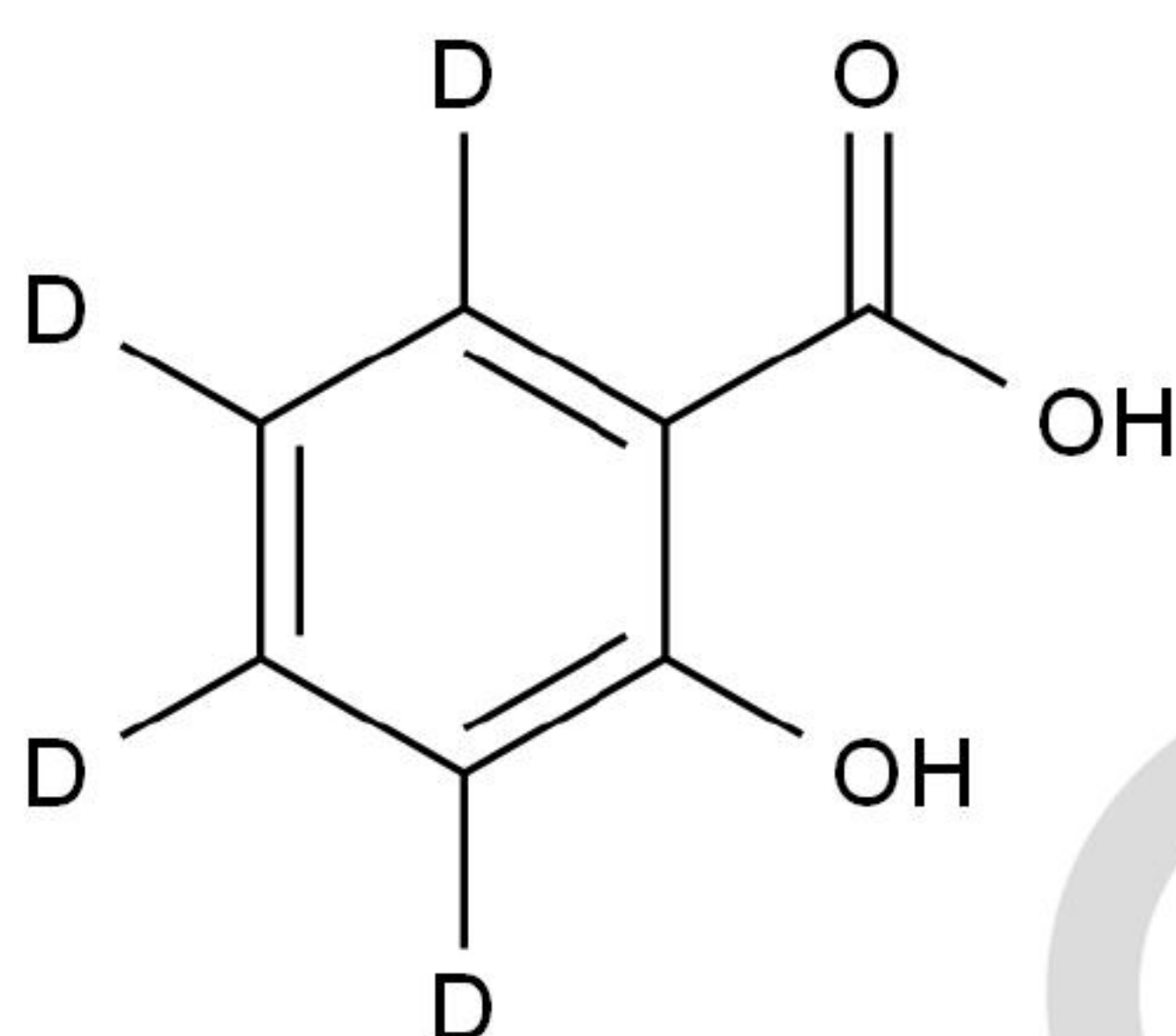


# Certificate of Analysis

## Reference Material & Standard

|                     |                   |                   |                                           |
|---------------------|-------------------|-------------------|-------------------------------------------|
| Product Name:       | Salicylic Acid-d4 | Catalogue Number: | CCAD301508                                |
| Synonyms:           | N/A               | Lot Number:       | 0828-RE-0024                              |
| CAS Number:         | 78646-17-0        | Expiry Date:      | Aug 21, 2025                              |
| Molecular Formula:  | C7H2D4O3          | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:   | 142.15            |                   |                                           |
| Chemical Structure: |                   |                   |                                           |



| Test Items        | Method            | Results                  |
|-------------------|-------------------|--------------------------|
| Appearance        | Visual inspection | White to Off-White Solid |
| Identification    | LCMS&IR&HNMR      | Confirmed                |
| Chemical Purity   | HPLC              | 97.7420%                 |
| Isotopic Purity   |                   | 98.1%                    |
| Water Content     | Karl Fischer      | 0.10%                    |
| Residual Solvents | NMR               | Not detected in NMR      |
| Assay             |                   | 97.6%                    |
| Uncertainty       |                   | ±2.0%                    |

## Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) \* Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

2. 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*

Aproved by General Manager:

*David*

Date: Aug 28, 2023

Date: Aug 28, 2023

Date: Aug 28, 2023

