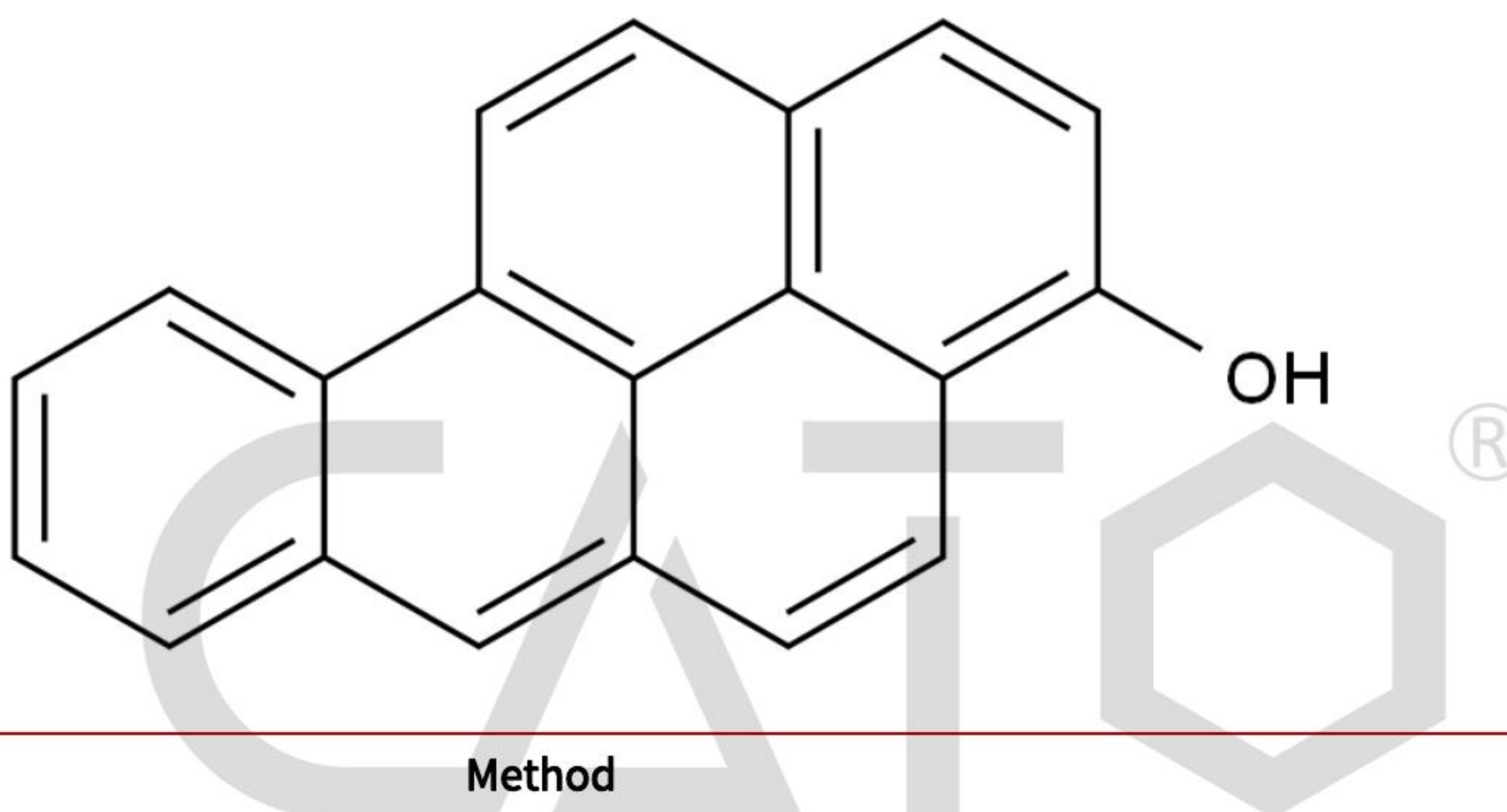


# Certificate of Analysis

## Reference Material & Standard

|                    |                       |                   |                                           |
|--------------------|-----------------------|-------------------|-------------------------------------------|
| Product Name:      | 3-Hydroxy Benzopyrene | Catalogue Number: | CCHM703088                                |
| Synonyms:          | N/A                   | Lot Number:       | 1208-RE-0049                              |
| CAS Number:        | 13345-21-6            | Expiry Date:      | May 07, 2027                              |
| Molecular Formula: | C20H12O               | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 268.31                |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results                    |
|----------------|-------------------|----------------------------|
| Appearance     | Visual inspection | Yellow to Dark Brown Solid |
| Identification | LCMS&HNMR         | Confirmed                  |
| Purity         | HPLC              | 95.8%                      |
| 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: Dec 12, 2023

Date: Dec 12, 2023

Date: Dec 12, 2023

