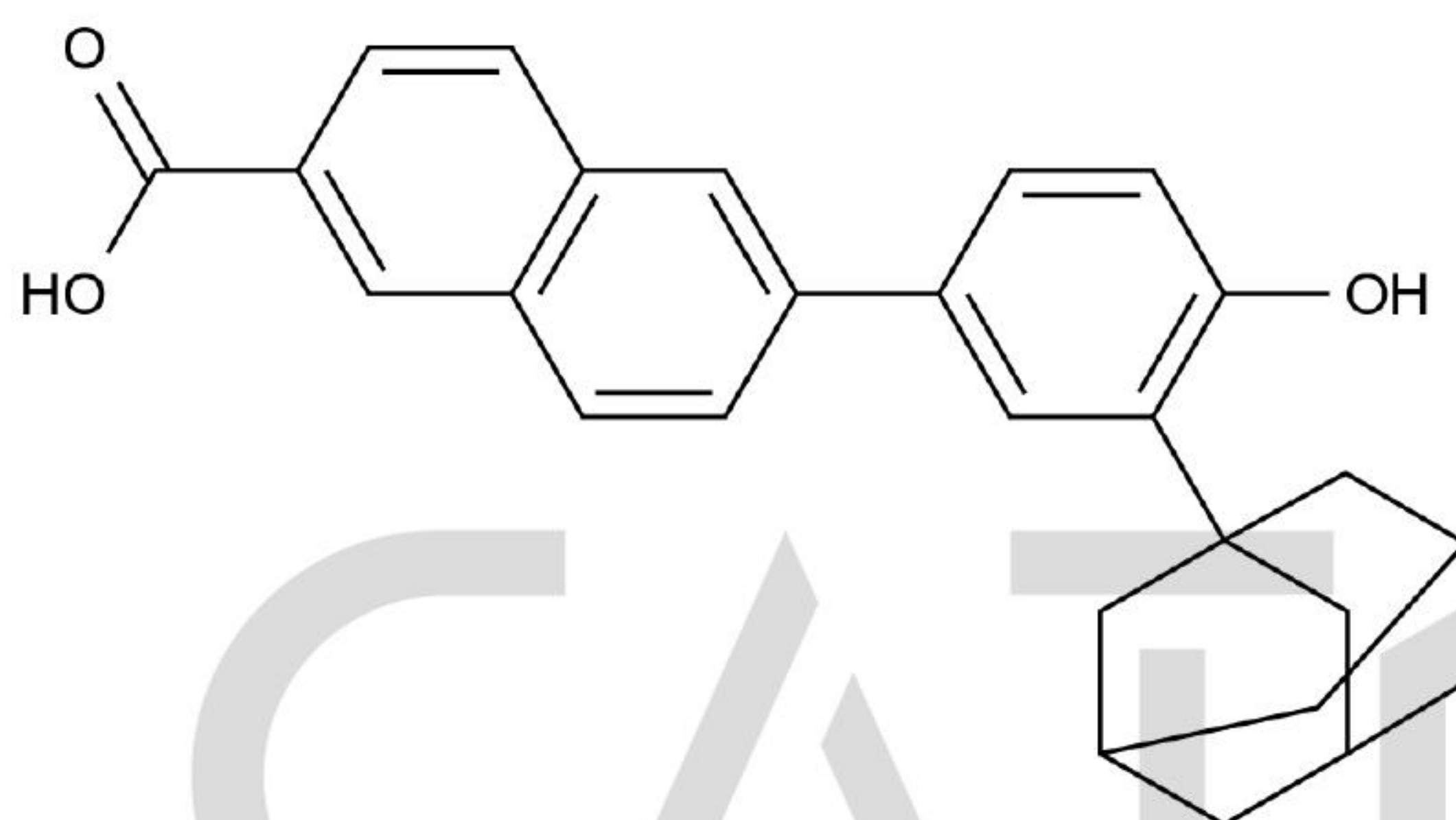


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                |                          |                                           |
|---------------------------|------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | O-Desmethyl Adapalene                          | <b>Catalogue Number:</b> | C4X-18098                                 |
| <b>Synonyms:</b>          | N/A                                            | <b>Lot Number:</b>       | 0418-RG-0030                              |
| <b>CAS Number:</b>        | 125316-60-1                                    | <b>Expiry Date:</b>      | Mar 28, 2027                              |
| <b>Molecular Formula:</b> | C <sub>27</sub> H <sub>26</sub> O <sub>3</sub> | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 398.49                                         |                          |                                           |

Chemical Structure:



| Test Items        | Method            | Results                                   |
|-------------------|-------------------|-------------------------------------------|
| Appearance        | Visual inspection | Yellow Solid                              |
| Identification    | LCMS&HNMR         | Confirmed                                 |
| Purity            | HPLC              | 97.571%                                   |
| Water Content     | Karl Fischer      | 0.18%                                     |
| Residual Solvents | NMR               | 0.98% ethyl acetate and<br>0.55% methanol |
| Assay             |                   | 95.9%                                     |

## Comment:

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.

## Signature:

Prepared by:

*Lily*

Reviewed by:

*Hinlam*

Approved by General Manager:

*David*

Date: Apr 18, 2025

Date: Apr 21, 2025

Date: Apr 21, 2025

