

# Certificate of Analysis

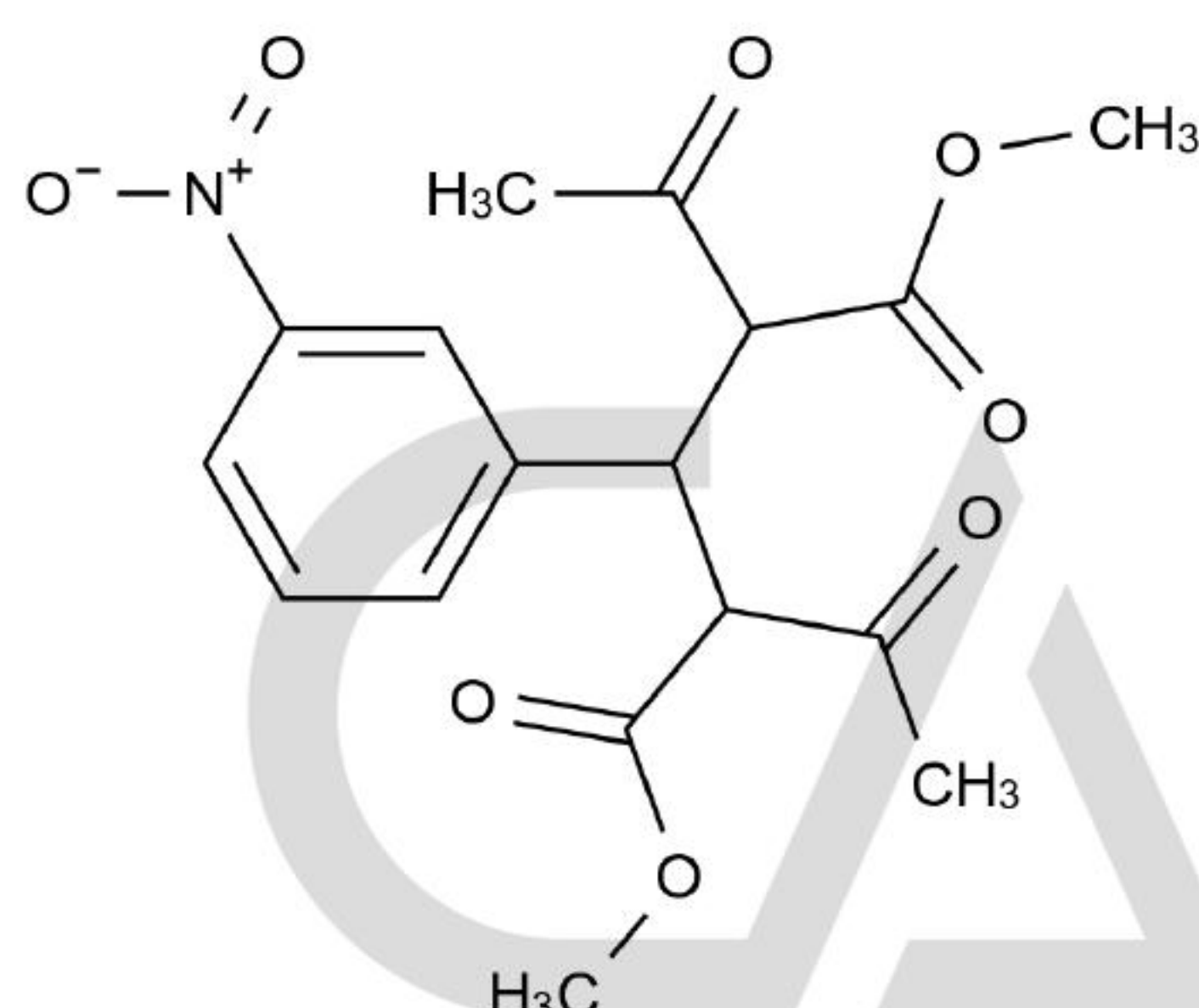
## Reference Material & Standard

|                           |                                                      |                            |                                           |
|---------------------------|------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Dimethyl 2,4-diacetyl-3-(3-nitrophenyl)pentanedioate | <b>Catalogue Number:</b>   | C1804120                                  |
| <b>Synonyms:</b>          | N/A                                                  | <b>Lot Number:</b>         | 0427-RH-0025                              |
| <b>CAS Number:</b>        | 89080-61-5                                           | <b>Expiry Date:</b>        | May 05, 2030                              |
| <b>Molecular Formula:</b> | C <sub>17</sub> H <sub>19</sub> NO <sub>8</sub>      | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 365.33                                               | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

**Warning:**



**Chemical Structure:**



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | UPLC              | 96.24%      |
| Loss on Drying | TGA               | 0.0405%     |
| Assay          |                   | 96.2%       |

## Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) \* Purity UPLC (%) / 100%

Loss on Drying is considered as absolute effect, UPLC purity is considered as relative effect.

**Signature:**

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Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: May 06, 2026

Date: May 07, 2026

Date: May 07, 2026



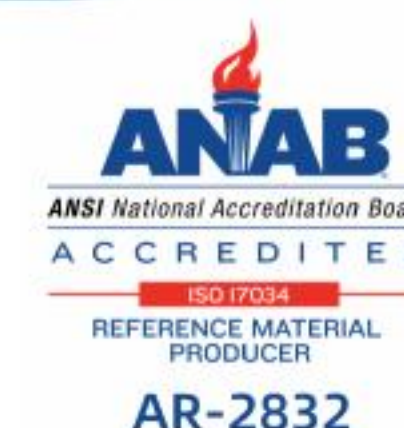
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