

# Certificate of Analysis

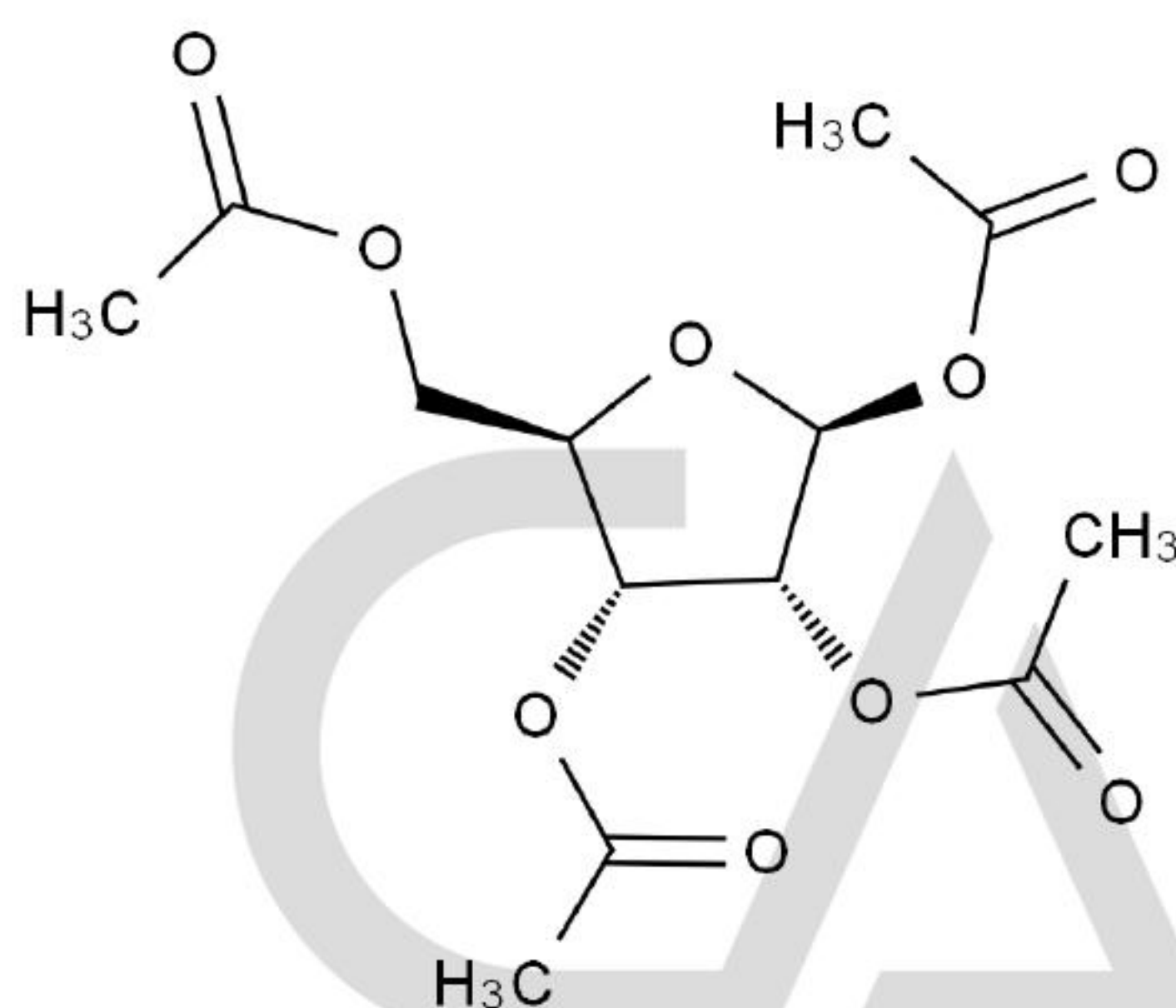
## Reference Material & Standard

|                           |                                                |                            |                                           |
|---------------------------|------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Ribavirin Impurity 50                          | <b>Catalogue Number:</b>   | C4X-141350                                |
| <b>Synonyms:</b>          | Tetra-O-acetyl-β-D-ribofuranose                | <b>Lot Number:</b>         | 0511-RH-0115                              |
| <b>CAS Number:</b>        | 13035-61-5                                     | <b>Expiry Date:</b>        | May 10, 2030                              |
| <b>Molecular Formula:</b> | C <sub>13</sub> H <sub>18</sub> O <sub>9</sub> | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 318.28                                         | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

**Warning:**



**Chemical Structure:**



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | LCMS&IR&HNMR      | Confirmed       |
| Purity         | HPLC              | 100.000%        |
| Loss on Drying | TGA               | 0.0224%         |
| Assay          |                   | 99.98%          |

## Comment:

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

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

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

**Signature:**

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Date: May 11, 2026

Date: May 12, 2026

Date: May 12, 2026



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