

# Certificate of Analysis

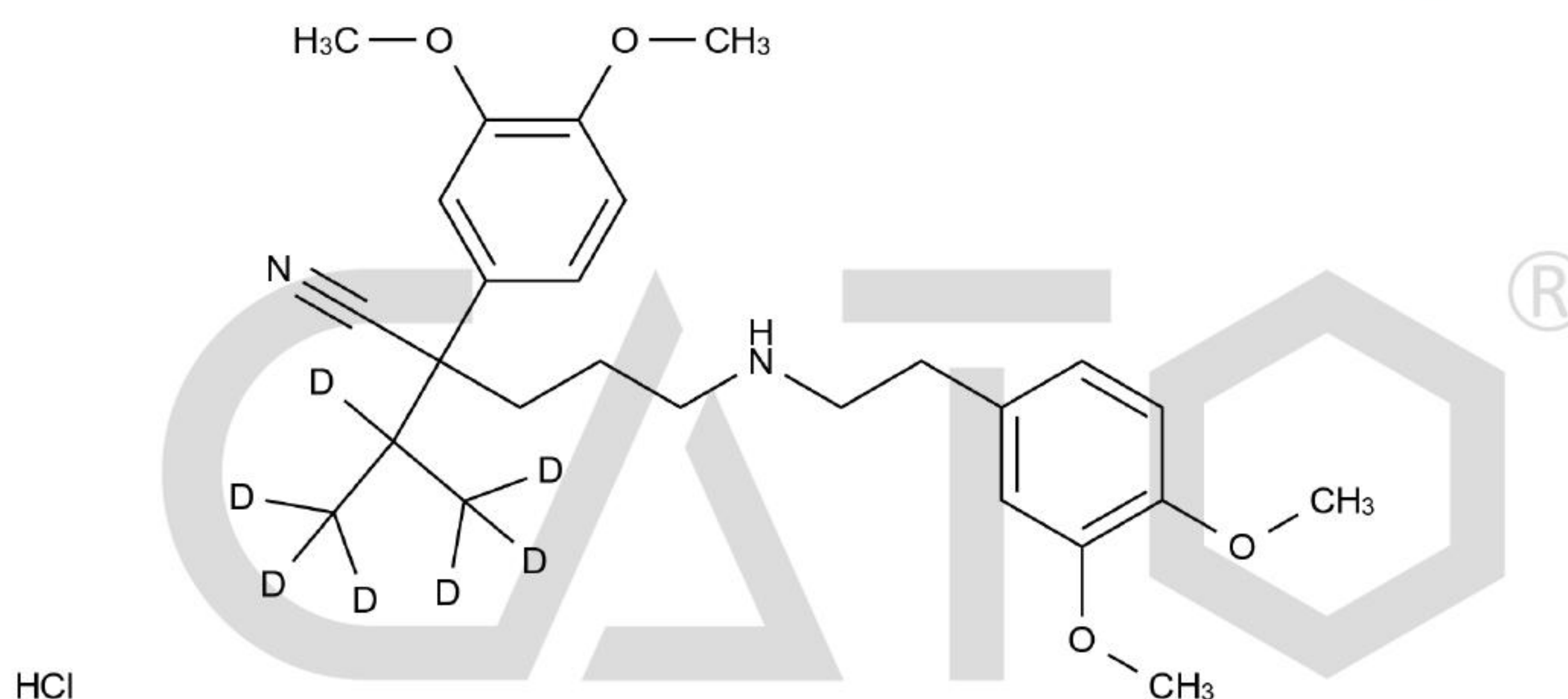
## Reference Material & Standard

|                           |                                                                                  |                            |                                           |
|---------------------------|----------------------------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Verapamil EP Impurity J-D7 HCl                                                   | <b>Catalogue Number:</b>   | C1128374                                  |
| <b>Synonyms:</b>          | N/A                                                                              | <b>Lot Number:</b>         | 1024-RG-0098                              |
| <b>CAS Number:</b>        | 1216413-74-9                                                                     | <b>Expiry Date:</b>        | Jul 07, 2027                              |
| <b>Molecular Formula:</b> | C <sub>26</sub> H <sub>29</sub> D <sub>7</sub> N <sub>2</sub> O <sub>4</sub> HCl | <b>Storage:</b>            | -20°C±5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 447.62 36.46                                                                     | <b>Shipping Condition:</b> | Shipping with Ice Packs                   |

**Warning:**



**Chemical Structure:**



| Test Items      | Method            | Results     |
|-----------------|-------------------|-------------|
| Appearance      | Visual inspection | White Solid |
| Identification  | LCMS&HNMR         | Confirmed   |
| Chemical Purity | HPLC              | 98.2%       |
| Isotopic Purity |                   | 99.59       |

**Signature:**

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Approved by General Manager:

*David*

Date: Oct 28, 2025

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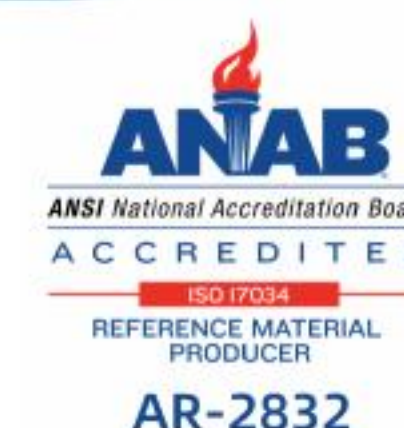
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