

# Certificate of Analysis

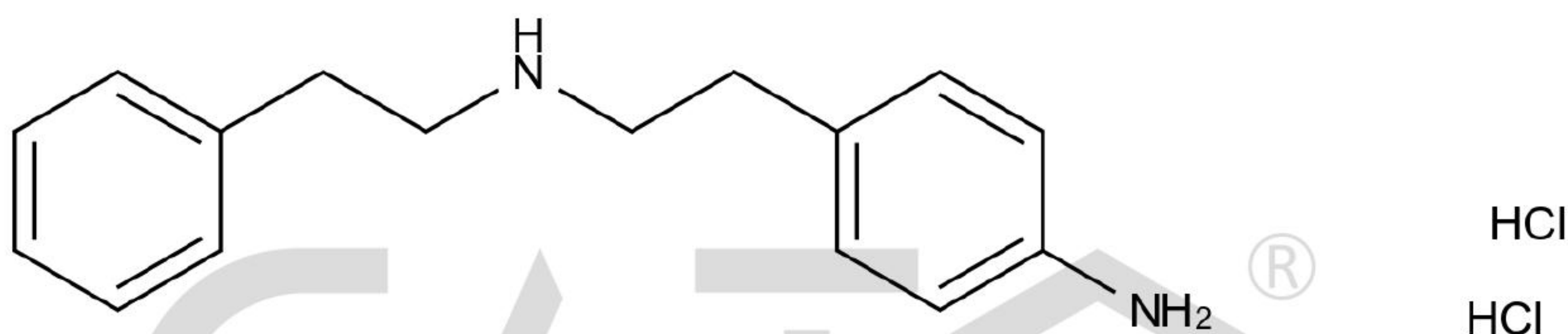
## Reference Material & Standard

|                    |                                                      |                     |                                           |
|--------------------|------------------------------------------------------|---------------------|-------------------------------------------|
| Product Name:      | Mirabegron Impurity 32                               | Catalogue Number:   | C4X-103232                                |
| Synonyms:          | N/A                                                  | Lot Number:         | 0513-RH-0134                              |
| CAS Number:        | 1310279-36-7 (free base)                             | Expiry Date:        | May 19, 2030                              |
| Molecular Formula: | C <sub>16</sub> H <sub>20</sub> N <sub>2</sub> 2*HCl | Storage:            | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 240.34 2*36.46                                       | Shipping Condition: | Shipping at Room Temperature              |

Warning:



Chemical Structure:



| Test Items     | Method            | Results      |
|----------------|-------------------|--------------|
| Appearance     | Visual inspection | Yellow Solid |
| Identification | LCMS&IR&HNMR      | Confirmed    |
| Purity         | HPLC              | 98.282%      |
| Loss on Drying | TGA               | 0.3472%      |
| Assay          |                   | 97.9%        |

## 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 20, 2026

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