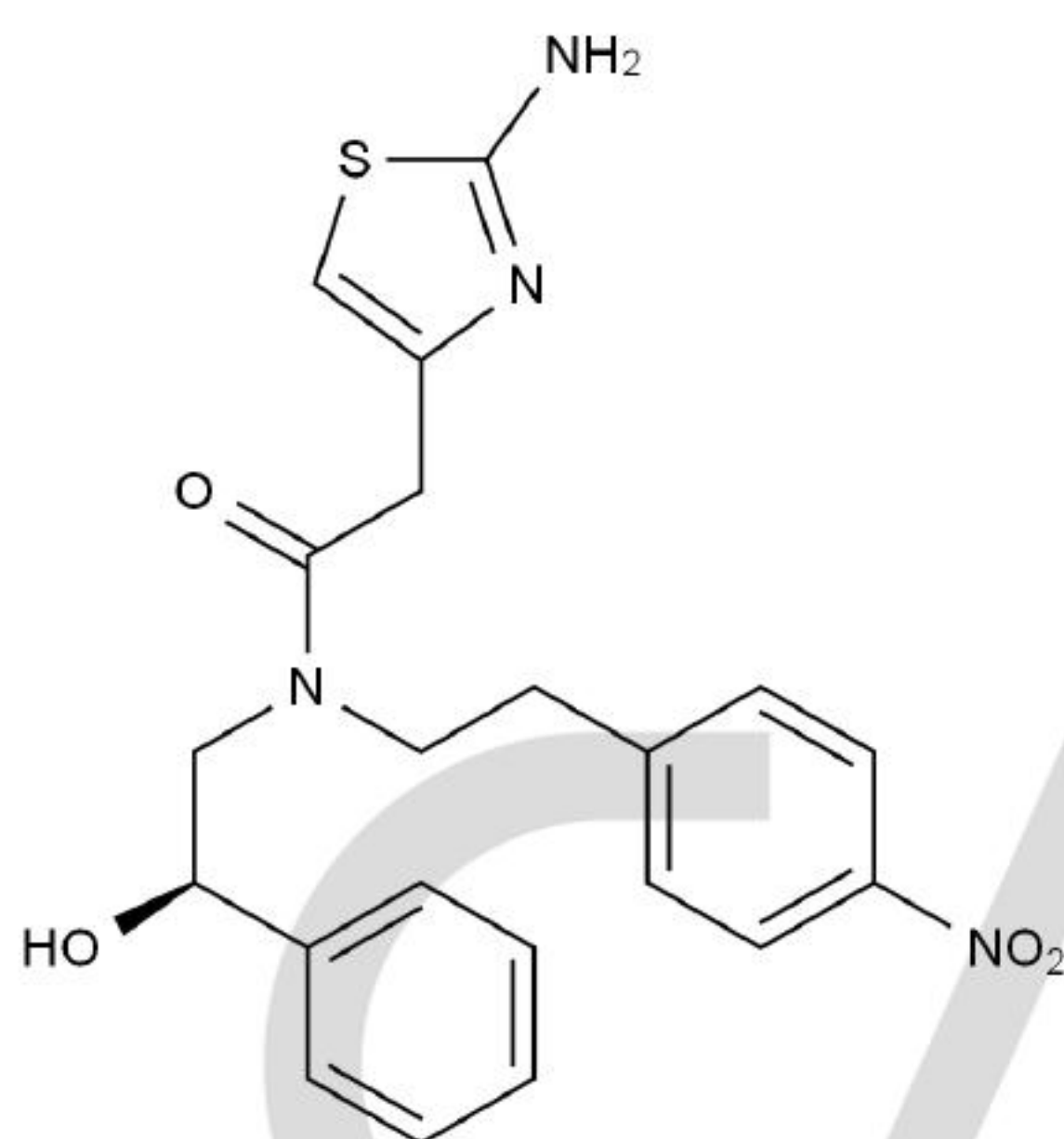


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                                 |                   |                                           |
|--------------------|-----------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Mirabegron Impurity 28                                          | Catalogue Number: | C4X-103228                                |
| Synonyms:          | N/A                                                             | Lot Number:       | 0826-RF-0076                              |
| CAS Number:        | N/A                                                             | Expiry Date:      | Aug 26, 2027                              |
| Molecular Formula: | C <sub>21</sub> H <sub>22</sub> N <sub>4</sub> O <sub>4</sub> S | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 426.49                                                          |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results            |
|----------------|-------------------|--------------------|
| Appearance     | Visual inspection | Light Yellow Solid |
| Identification | LCMS&HNMR         | Confirmed          |
| Purity         | HPLC              | 95.629%            |
| Loss On Drying | TGA               | 0.2114%            |
| Assay          |                   | 95.4%              |

## Comment:

The calculation of the 100% 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:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Oct 29, 2024

Date: Oct 29, 2024

Date: Oct 29, 2024

