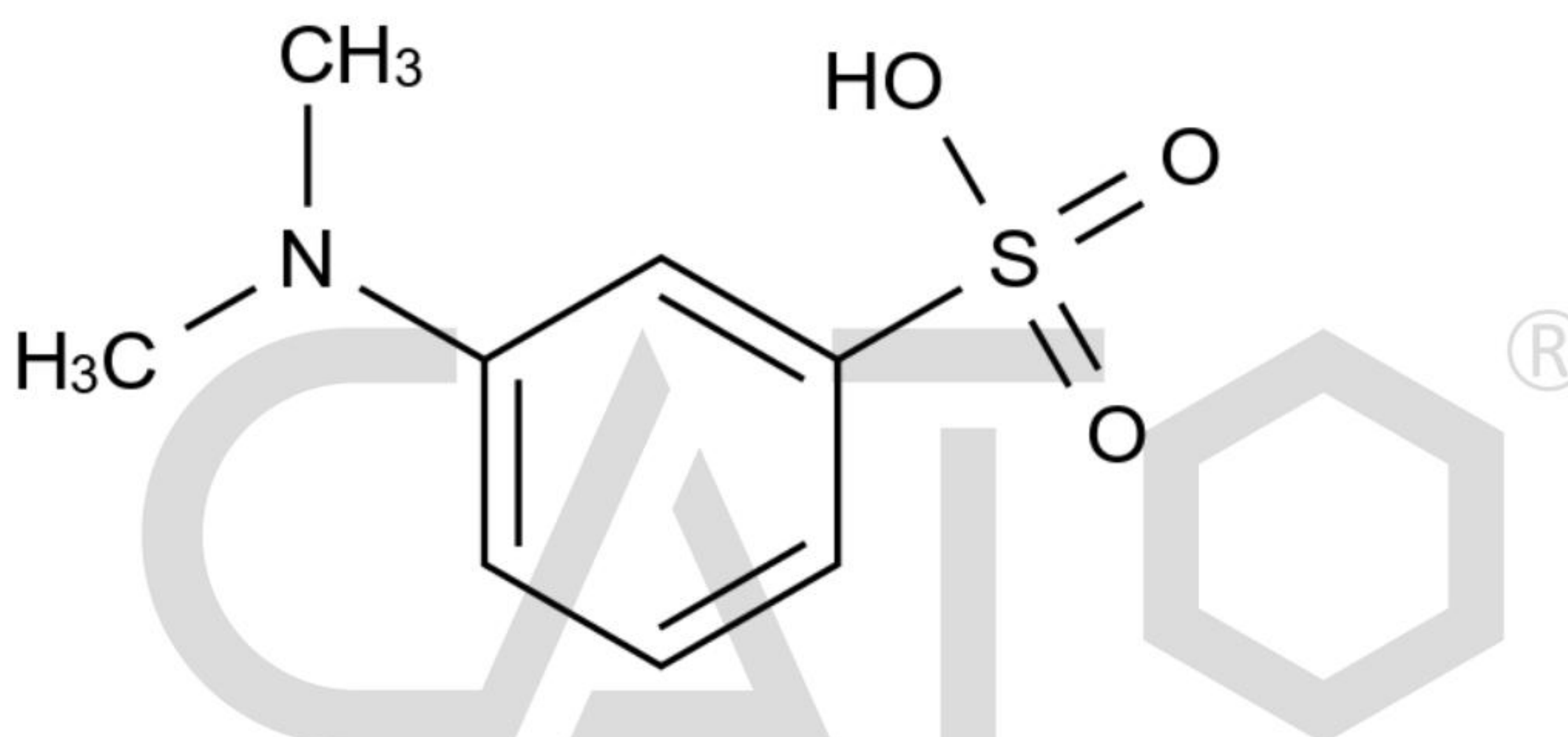


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                  |                   |                                                                                     |
|--------------------|--------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|
| Product Name:      | Neostigmine impurity 01                          | Catalogue Number: | C1881272                                                                            |
| Synonyms:          | N/A                                              | Lot Number:       | 0621-RF-0061                                                                        |
| CAS Number:        | 618-09-7                                         | Expiry Date:      | Jun 24, 2027                                                                        |
| Molecular Formula: | C <sub>8</sub> H <sub>11</sub> NO <sub>3</sub> S | Storage:          | -20°C±5°C Protected from light and Sealed                                           |
| Molecular Weight:  | 201.24                                           | Warning:          |  |

Chemical Structure:



| Test Items     | Method            | Results         |
|----------------|-------------------|-----------------|
| Appearance     | Visual inspection | Off-White Solid |
| Identification | LCMS&HNMR         | Confirmed       |
| Purity         | HPLC              | 98.519%         |
| Loss On Drying | TGA               | 0.1701%         |
| Assay          |                   | 98.4%           |

## 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: Jun 25, 2024

Date: Jun 25, 2024

Date: Jun 25, 2024

