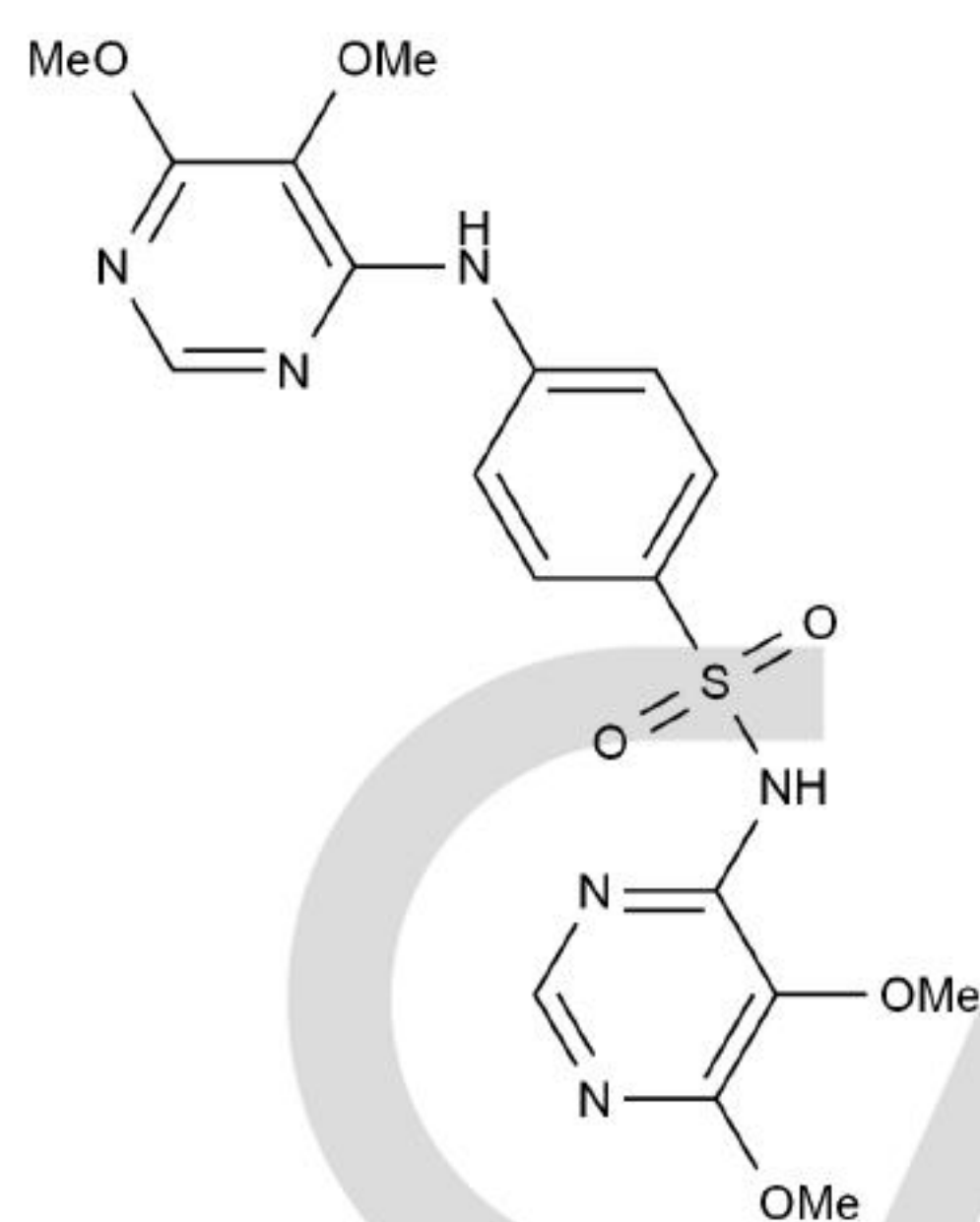


# Certificate of Analysis

## Reference Material & Standard

|                           |                                                                 |                            |                                           |
|---------------------------|-----------------------------------------------------------------|----------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Sulfadoxine Impurity 1                                          | <b>Catalogue Number:</b>   | C4X-27911                                 |
| <b>Synonyms:</b>          | N/A                                                             | <b>Lot Number:</b>         | 1218-RE-0083                              |
| <b>CAS Number:</b>        | N/A                                                             | <b>Expiry Date:</b>        | Dec 20, 2026                              |
| <b>Molecular Formula:</b> | C <sub>18</sub> H <sub>20</sub> N <sub>6</sub> O <sub>6</sub> S | <b>Storage:</b>            | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 448.45                                                          | <b>Shipping Condition:</b> | Shipping at Room Temperature              |

## Chemical Structure:



| Test Items     | Method               | Results     |
|----------------|----------------------|-------------|
| Appearance     | Visual inspection    | White Solid |
| Identification | LCMS&IR&UV&CNMR&HNMR | Confirmed   |
| Purity         | HPLC                 | 99.761%     |
| Loss on Drying | TGA                  | 0.0114%     |
| Assay          |                      | 99.7%       |

## 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:

Prepared by:

*Nice*

Reviewed by:

*Koi*

Approved by General Manager:

*David*

Date: Dec 21, 2023

Date: Dec 21, 2023

Date: Dec 21, 2023



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