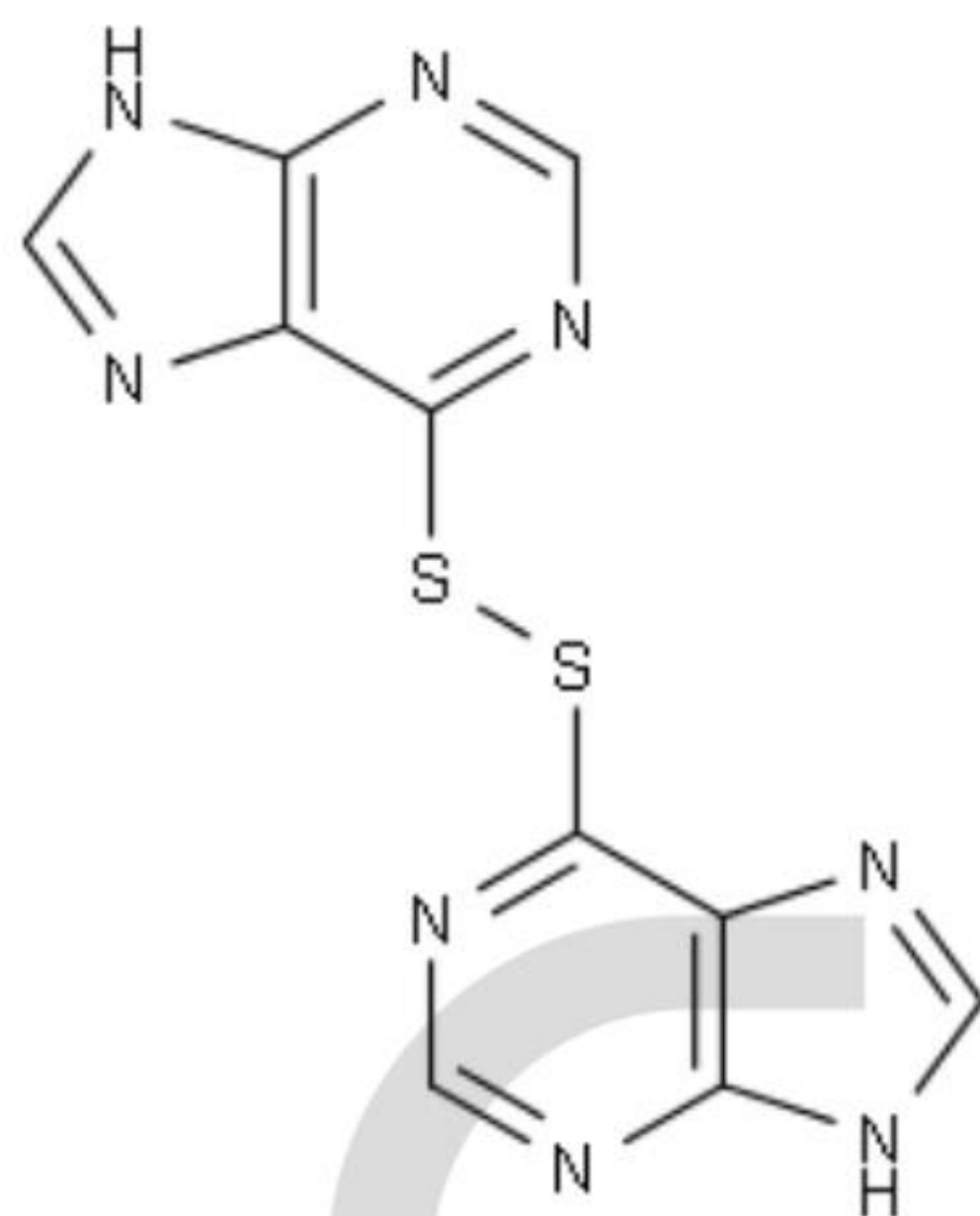


# Certificate of Analysis

## Reference Material

|                    |                                                              |                   |                                           |
|--------------------|--------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Azathioprine Impurity 14                                     | Catalogue Number: | C4X-146314                                |
| Chemical Name:     | N/A                                                          | Lot Number:       | 0327-RE-0123                              |
| CAS Number:        | 49808-20-0                                                   | Expiry Date:      | Nov 30, 2024                              |
| Molecular Formula: | C <sub>10</sub> H <sub>6</sub> N <sub>8</sub> S <sub>2</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 302.34                                                       |                   |                                           |

### Chemical Structure:



| Test Items     | Method            | Results       |
|----------------|-------------------|---------------|
| Appearance     | Visual inspection | Yellow Powder |
| Identification | LCMS&HNMR         | Confirmed     |
| Purity         | HPLC              | 95.9%         |
| Assay          | qNMR              | 77.1%         |

### Comment:

Assay was determined by quantitative <sup>1</sup>H-NMR.

### Signature:

Prepared by:

*Hin lam*

Reviewed by:

*Nacy*

Aporoved by General manager:

*David*

Date: Apr 11, 2023

Date: Apr 12, 2023

Date: Apr 12, 2023

