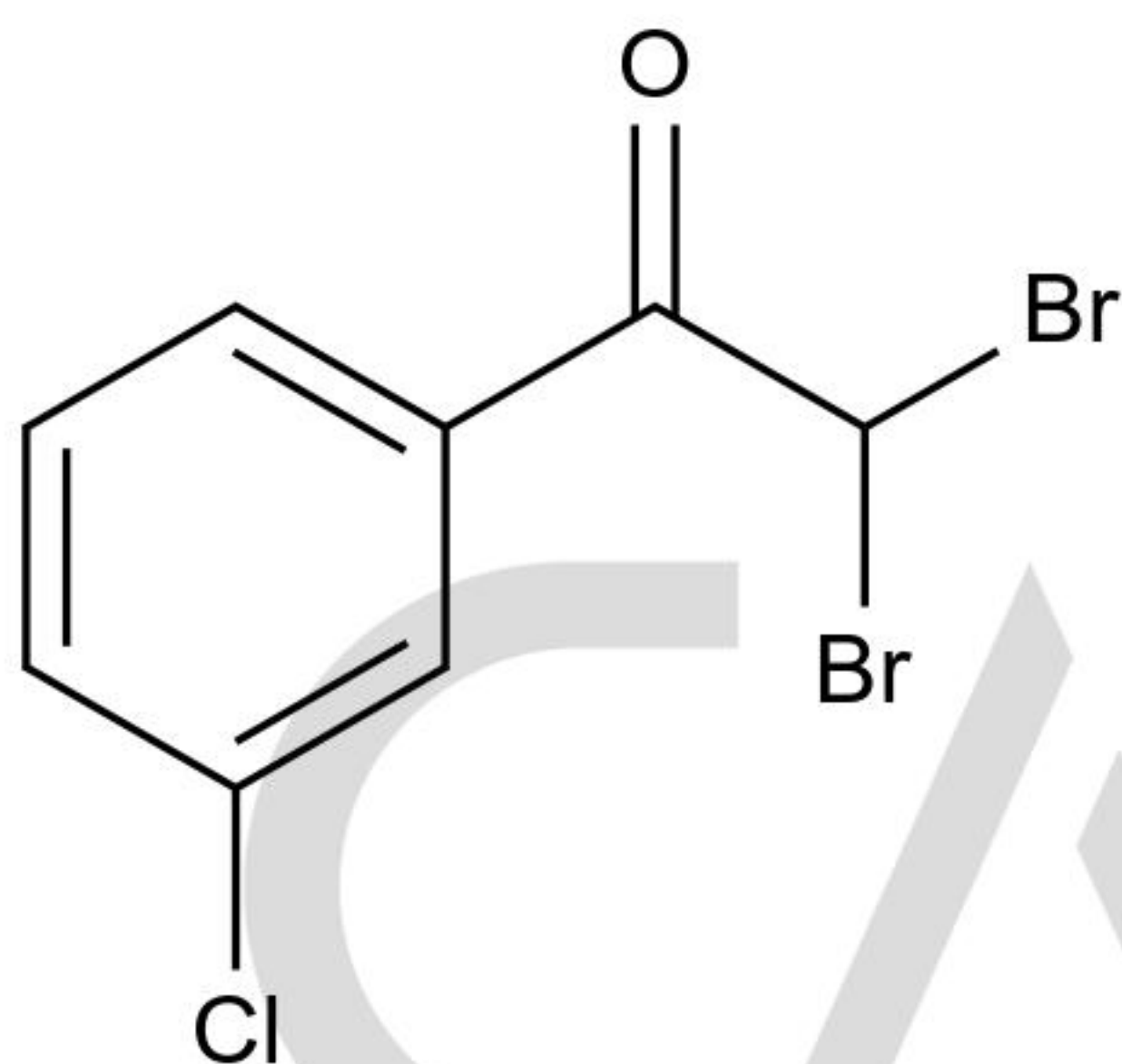


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                   |                     |                                           |
|--------------------|---------------------------------------------------|---------------------|-------------------------------------------|
| Product Name:      | Tulobuterol impurity 24                           | Catalogue Number:   | C4X-213424                                |
| Synonyms:          | N/A                                               | Lot Number:         | 0401-RH-0011                              |
| CAS Number:        | 25847-29-4                                        | Expiry Date:        | Apr 06, 2030                              |
| Molecular Formula: | C <sub>8</sub> H <sub>5</sub> Br <sub>2</sub> ClO | Storage:            | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 312.39                                            | Shipping Condition: | Shipping at Room Temperature              |

Chemical Structure:



| Test Items     | Method            | Results       |
|----------------|-------------------|---------------|
| Appearance     | Visual inspection | Yellow Liquid |
| Identification | GCMS&HNMR         | Confirmed     |
| Purity         | GC                | 96.794%       |
| Loss on Drying | TGA               | 0.4925%       |
| Assay          |                   | 96.3%         |

## Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) \* Purity GC (%) / 100%

Loss on Drying is considered as absolute effect, GC purity is considered as relative effect.

## Signature:

Prepared by:

*Nice*

Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: Apr 07, 2026

Date: Apr 07, 2026

Date: Apr 07, 2026



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