CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

CATO-FM-59 Version No.: A/1

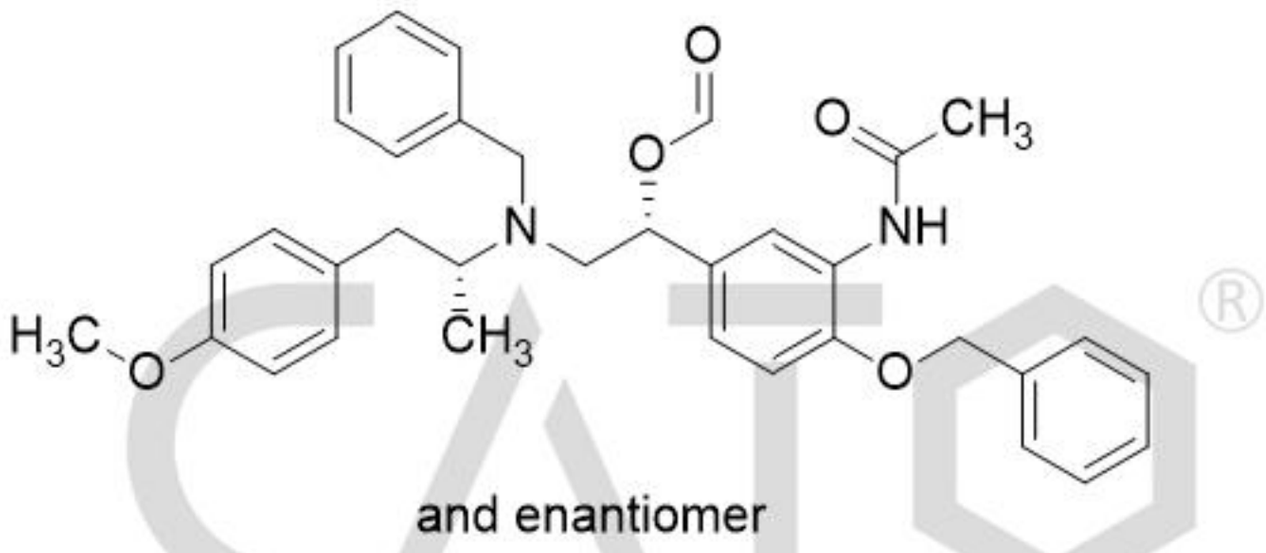
**No.: 202302149371**

# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Formoterol impurity 123 | **Catalogue Number:** | C4X-1525123 |
| **Synonyms:** | N/A | **Lot Number:** | 0214-SA-7371 |
| **CAS Number:** | N/A | **Expiry Date:** | Feb 13, 27 |
| **Molecular Formula:** | $C_{35}H_{38}N_2O_5$ | **Storage:** | 2°C ~ 8°C Protected from light and Sealed |
| **Molecular Weight:** | 566.69 | | |

**Chemical Structure:**




and enantiomer

| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | Solid |
| **Identification:** | LC&HNMR | Confirmed |
| **Purity:** | HPLC | 98.219% |

CATO Research Chemicals Inc.

**Signature:**

Prepared by: Lisa Date: Feb 14, 23

Reviewed by: Yuki Date: Feb 14, 23

Approved by General Manager: David Date: Feb 14, 23

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ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-2832 | ISO 9001:2000 SGS | Official WeChat

## Directions:

*1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*

*2. Minimum sample size: 1mg is recommended as the minimum sample size.*

*3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*

*4. Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date | Reason for Revision |
|---|---|---|
| 01 | Feb 14, 23 | First release. |

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