

Certificate of Analysis

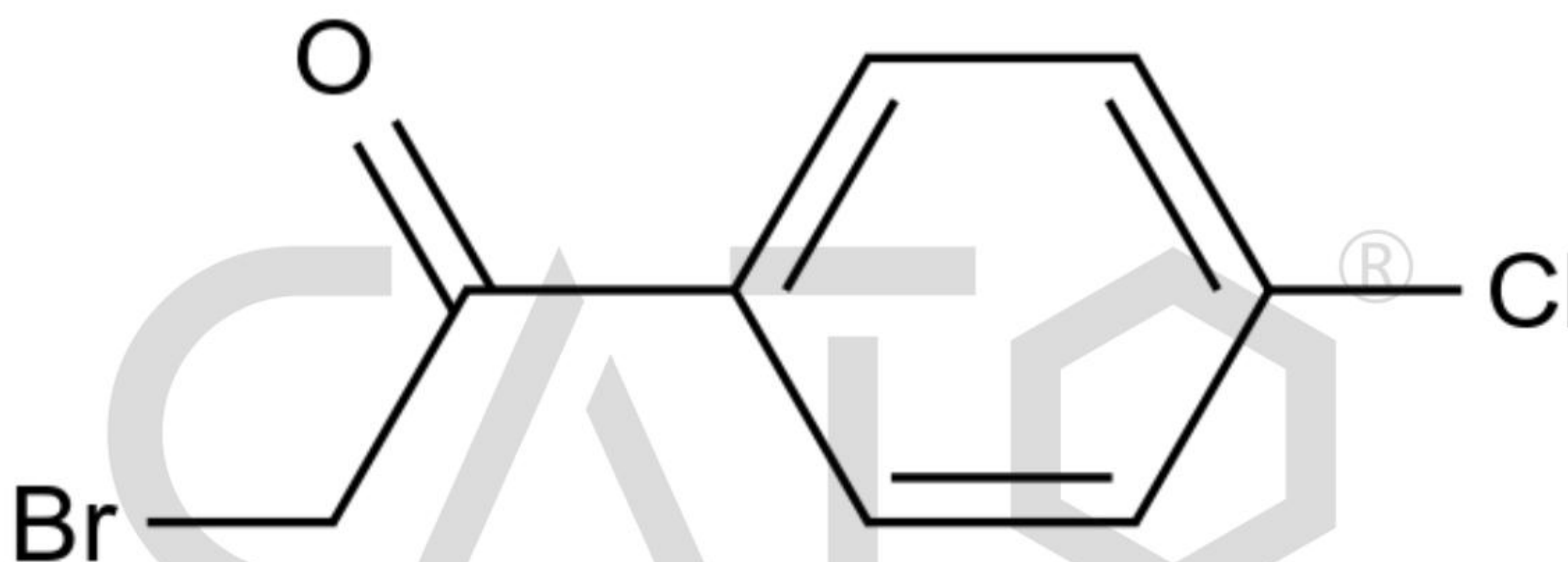
Reference Material & Standard

Product Name:	Tulobuterol Impurity N2	Catalogue Number:	CP139613
Synonyms:	N/A	Lot Number:	0331-RH-0102
CAS Number:	536-38-9	Expiry Date:	Apr 02, 2030
Molecular Formula:	C ₈ H ₆ BrClO	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	233.49	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	GCMS&HNMR	Confirmed
Purity	GC	99.006%
Water Content	Karl Fischer	0.1679%
Assay		98.8%

Comment:

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

Assay (%) = (100% - Water Content) * Purity GC (%) / 100%

Water Content is considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Apr 03, 2026

Date: Apr 03, 2026

Date: Apr 03, 2026



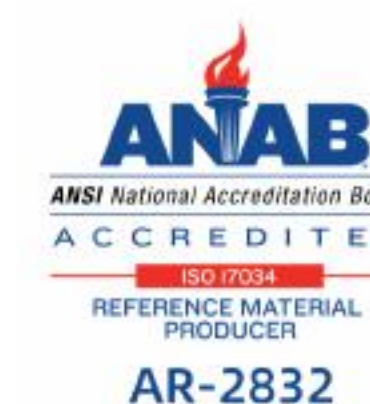
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 6



Official WeChat