

Certificate of Analysis

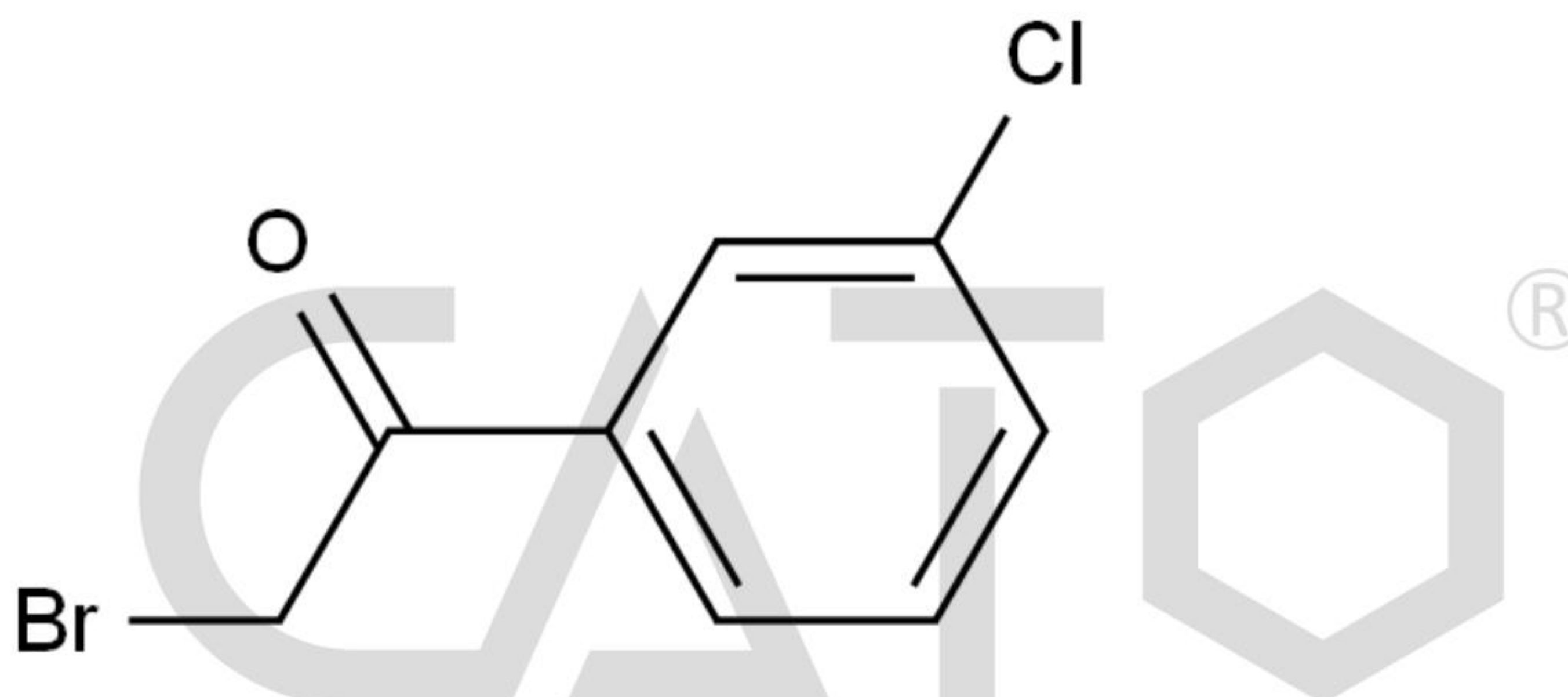
Reference Material & Standard

Product Name:	Tulobuterol Impurity N9	Catalogue Number:	CP136355
Synonyms:	N/A	Lot Number:	0331-RH-0103
CAS Number:	41011-01-2	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	98.952%
Water Content	Karl Fischer	0.1660%
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

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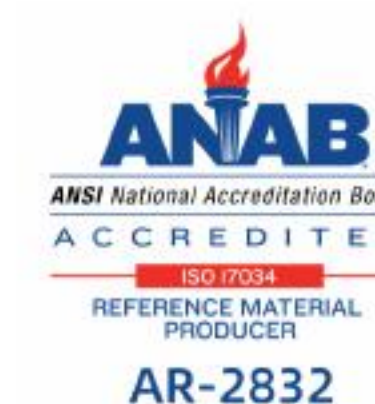
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