CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

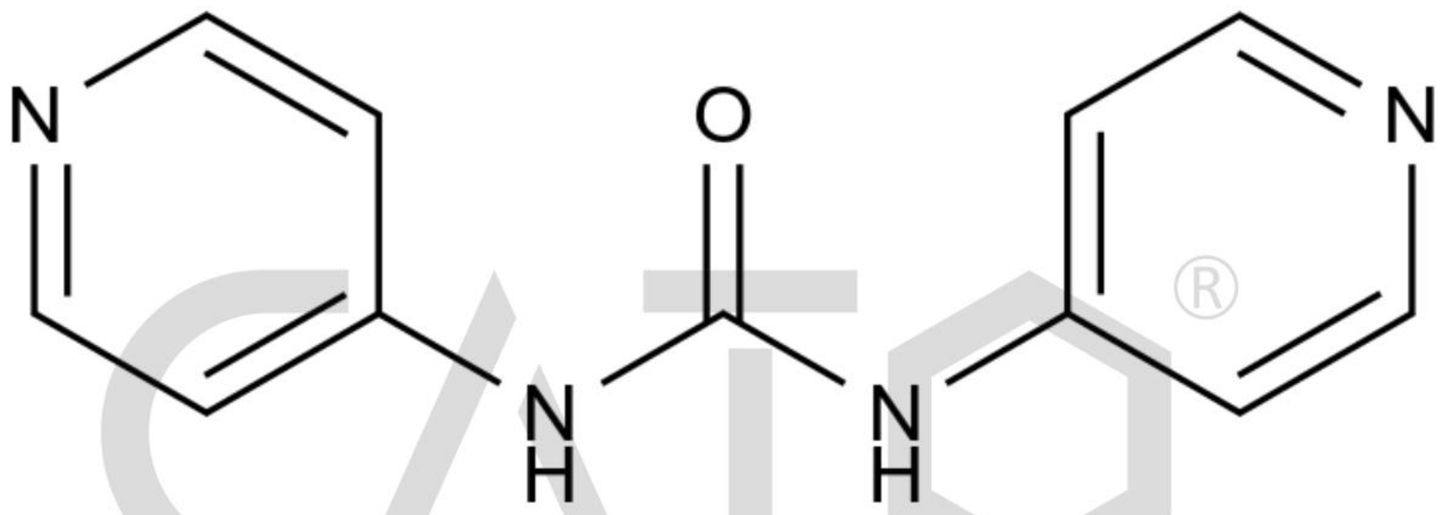
No.: 202511170064

Certificate of Analysis

Reference Material & Standard

Product Name:	Terbutaline impurity 69	**Catalogue Number:**	C4X-118369
Synonyms:	N/A	**Lot Number:**	1110-RG-0043
CAS Number:	39642-87-0	**Expiry Date:**	Nov 06, 2029
Molecular Formula:	$C_{11}H_{10}N_4O$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	214.22	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	4.0187%
Assay		96.0%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Water Content) * Purity HPLC (%) /100%*
Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice Date: Nov 20, 2025

Reviewed by: Koi Date: Nov 20, 2025

Approved by General Manager: David Date: Nov 20, 2025

CATO Research Chemicals Inc.

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ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

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