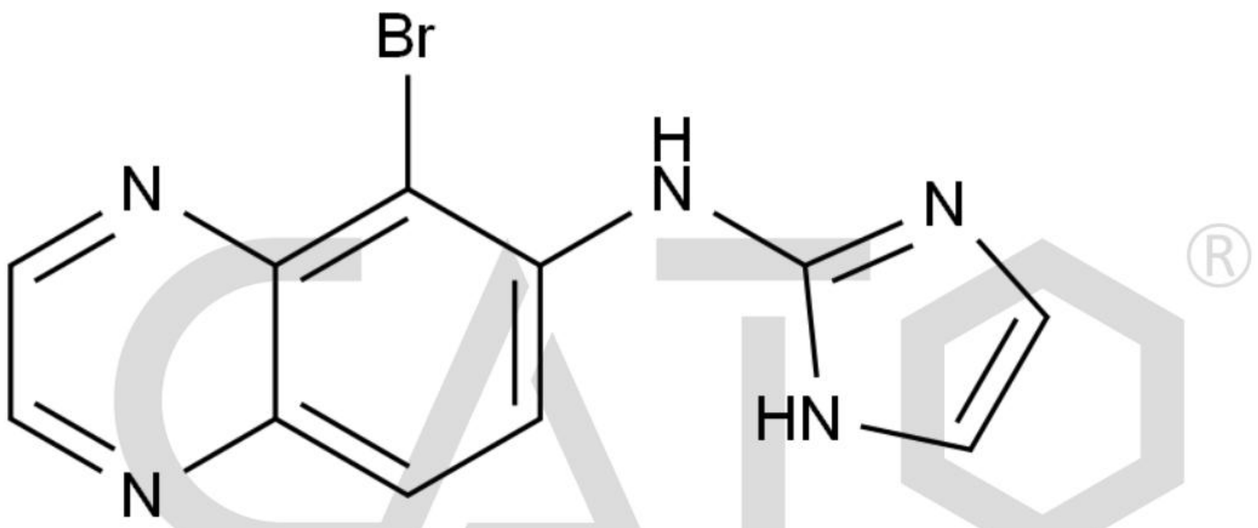
Certificate of Analysis

Reference Material & Standard

Product Name:	Brimonidine EP Impurity F	**Catalogue Number:**	C4X-156611
Synonyms:	N/A	**Lot Number:**	1025-RH-0064
CAS Number:	151110-15-5	**Expiry Date:**	Oct 27, 2030
Molecular Formula:	$C_{11}H_8BrN_5$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	290.12	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.550%
Loss on Drying	TGA	0.0903%
Assay	Mass Balance	99.5%

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Comment:

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

Signature:

Prepared by: Alice Date: Oct 28, 2026

Reviewed by: Koi Date: Oct 28, 2026

Approved by General Manager: David Date: Oct 28, 2026

CATO Research Chemicals Inc.