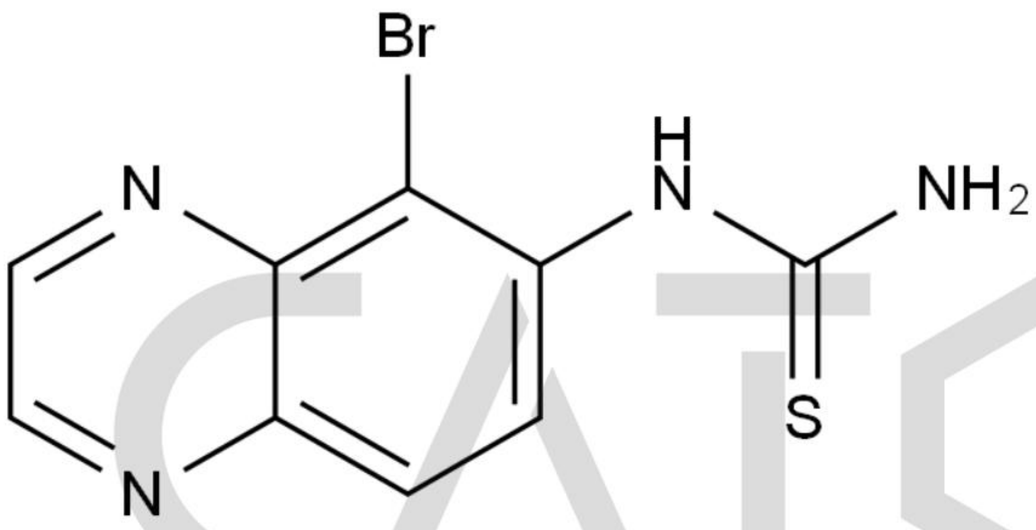
Certificate of Analysis

Reference Material & Standard

Product Name:	Brimonidine EP Impurity D	**Catalogue Number:**	C4X-156610
Synonyms:	N/A	**Lot Number:**	0921-RH-0124
CAS Number:	842138-74-3	**Expiry Date:**	Sep 27, 2030
Molecular Formula:	$C_9H_7BrN_4S$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	283.15	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	GC	95.256%
Loss on Drying	TGA	5.5507%
Assay		90.0%

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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 GC (%) /100%*
Loss on Drying is considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by: Hin Lam Date: Sep 28, 2026

Reviewed by: Koi Date: Sep 28, 2026

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

CATO Research Chemicals Inc.