CERTIFICATE OF ANALYSIS

(Certificate No. KMB094011-01)

Release Date: 29/10/2026 **Re-test Date:** 28/10/2029

Brimonidine Impurity D

Identification

Chemical Name :
1-(5-Bromoquinoxalin-6-yl)thiourea (as per EP)

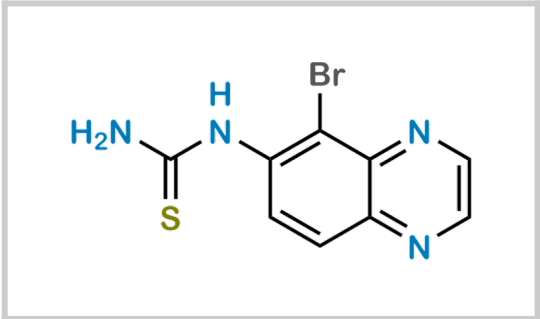
Alt. Name : Brimonidine USP Related Compound B
5-Bromoquinazolin-6-ylthiourea

CAT No. : KMB094011

CAS No. : 842138-74-3

Molecular Formula : C9H7BrN4S

Molecular Weight : 283.2



Analytical Information

Batch No.	: B094011-136-320	**Solubility**	: ACN : Methanol
Description	: Light Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 99.61 %	**IR**	: Confirm
Weight Loss By TGA	: 0.56 %	**1H NMR**	: Confirm
% Potency	: 99.05 %		

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.56(Weight Loss By TGA)] x [99.61(HPLC Purity)]/100 = 99.05 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		29/10/2026
Reviewed & Approved By	Quality Control	Jatin Patel		29/10/2026

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA