CERTIFICATE OF ANALYSIS

(Certificate No. KMB094012-01)

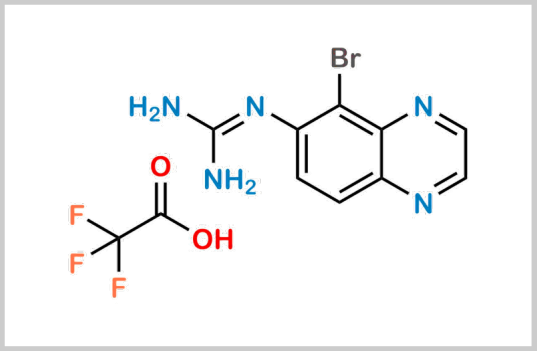
Release Date: 19/09/2026 **Re-test Date:** 18/09/2029

Brimonidine Impurity E

Identification

Chemical Name :
2-(5-Bromoquinoxalin-6-yl)guanidine 2,2,2-trifluoroacetate (as per EP)

Alt. Name	: Brimonidine USP Related Compound E
CAT No.	: KMB094012
CAS No.	: Not Available ; 168329-48-4 (Freebase)
Molecular Formula	: C9H8BrN5 : C2HF3O2
Molecular Weight	: 266.1 : 114.0



Analytical Information

Batch No.	: B094012-136-207	**Solubility**	: Water
Description	: Light Brown Solid	**Mass**	: Confirm
HPLC Purity	: 94.45 %	**IR**	: Confirm
Weight Loss By TGA	: 0.55 %	**1H NMR**	: Confirm
% Potency	: 93.93 %		

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 - 0.55(Weight Loss By TGA)] x [94.45(HPLC Purity)]/100 = 93.93 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		19/09/2026
Reviewed & Approved By	Quality Control	Jatin Patel		19/09/2026

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