



## CERTIFICATE OF ANALYSIS



Date: 13-02-2026

Product Name	<b>Brimonidine Tartrate Impurity 2</b>		
Chemical Name	9-(5-Bromoquinoxalin-6-yl)-6,7-dihydroxy-2,6,7,9-tetrahydro-3H-imidazo[1,2-a][1,3]diazepine-5,8-dione.		
Structure	<p>The chemical structure is a complex heterocyclic compound. It features a quinoxalin-6-yl group attached to a 6,7-dihydroxy-2,6,7,9-tetrahydro-3H-imidazo[1,2-a][1,3]diazepine-5,8-dione core. The core has a nitrogen atom at position 1 and a nitrogen atom at position 3. The 5-position of the imidazole ring is substituted with a bromine atom (Br). The 2-position of the imidazole ring is attached to a 6,7-dihydroxy-2,6,7,9-tetrahydro-3H-imidazo[1,2-a][1,3]diazepine-5,8-dione group. This group has a hydroxyl group (OH) at position 6 and a hydroxyl group (OH) at position 7. The 2-position of the imidazole ring is also attached to a 6,7-dihydroxy-2,6,7,9-tetrahydro-3H-imidazo[1,2-a][1,3]diazepine-5,8-dione group. This group has a hydroxyl group (OH) at position 6 and a hydroxyl group (OH) at position 7.</p>		
Batch No.	-	CAS No.	NA
Analysis Date	-	Retest Date	5
Mol. Formula	C <sub>10</sub> H <sub>8</sub> BrN <sub>3</sub> S	Molecular Wt.	282.2
Long term Storage Condition	Store at 2-8 °C in well closed container		
Handling and Transit Condition	25-30 °C in well closed container		

Test	Result
Appearance	-
Solubility	-
1H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

**Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.**

	Prepared By	Checked By	Approved By
Signature			
Date			

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