

# CERTIFICATE OF ANALYSIS

(Certificate No. KMD027001-01)

Release Date: 12/07/2024

Re-test Date: 11/07/2027

## Dopamine Standard

### Identification

**Chemical Name :**

4-(2-aminoethyl)benzene-1,2-diol hydrochloride

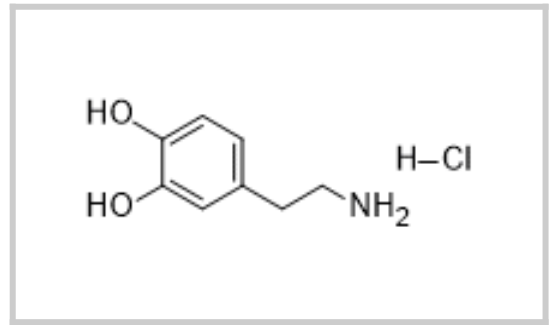
**Alt. Name** : 4-(2-aminoethyl)benzene-1,2-diol hydrochloride

**CAT No.** : KMD027001

**CAS No.** : 62-31-7

**Molecular Formula** : C<sub>8</sub>H<sub>11</sub>NO<sub>2</sub> : HCl

**Molecular Weight** : 153.18 : 36.5



### Analytical Information

**Batch No.** : DOP-PRS-073-289

**Solubility** : Methanol

**Description** : White Solid

**Mass** : Confirm

**HPLC Purity** : 99.98 %

**IR** : Confirm

**Weight Loss By TGA** : 0.68 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 99.3 %

### 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 - 0.68(Weight Loss By TGA)] x [99.98(HPLC Purity)]/100 = 99.3 %

Remarks: Prepare fresh sample for HPLC

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		16/07/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		16/07/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA