

**Analysis Date:** 17-03-2025

**Re-test Date:** 17-03-2028

## **CARIPRAZINE IMPURITY 44**

### **Identification**

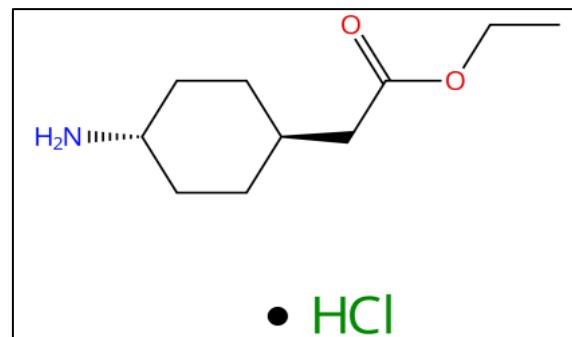
**Chemical Name** : Ethyl 2-((1r,4r)-4-aminocyclohexyl)acetate hydrochloride

**CAT No** : ALL-CAR-8264

**CAS No** : 76308-26-4

**Molecular Formula** : C<sub>10</sub>H<sub>19</sub>NO<sub>2</sub> : HCl

**Molecular Weight** : 185.3 : 36.5



### **Analytical Information**

**Batch Code** : ALL-CAR-8264 **HPLC Purity** : 98.03%

**Solubility** : METHANOL **Potency** : 97.29%

**Appearance of Product** : Off White Solid **Mass** : Confirm

**Long Term Storage** : 2-8°C **IR Analysis** : Confirm

**Weight Loss By TGA** : 0.307 % **1HNMR** : Confirm

**Residue Of Ignition** : 0.438 %

### **Additional Information**

**%Potency** = [100 -( Inorganic Impurities % + Water %) × Chromatographic Purity%]/100 =

[100 - (0.307+ 0.438× 98.03]/100= 97.29%

**Recommendation** : Released

Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Swapnil Kausatkar Jr. Executive
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC

**Attachment** : HPLC, Mass, 1H NMR, IR, TGA

**Shipping Condition** : All Product are stable to be shipped at room temperature, unless otherwise specified

### **Corporate Office**

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