

Analysis Date: 12/08/2019

Re-test Date: 28/07/2021

**Loratadine EP Impurity C**
**Identification**

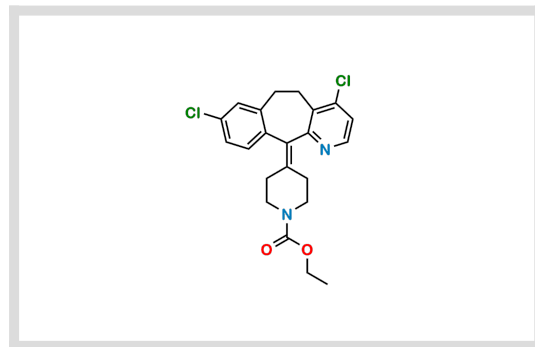
**Chemical Name** : Ethyl 4-(4,8-dichloro-5,6-dihydro-1H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)piperidine-1-carboxylate

**CAT No.** : SZ-L002004

**CAS No.** : 165739-83-3

**Molecular Formula** : C<sub>22</sub>H<sub>22</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub>

**Molecular Weight** : 417.3



**Synonyms** : Loratadine USP Related Compound G ; 4-Chloro Loratadine

**Analytical Information**

**Batch Code** : SRL-147-74-B

**HPLC Purity** : 98.72 %

**Solubility** : CN:Water(8:2)

**Mass** : Confirm

**Appearance of product** : Off White Solid

**IR Analysis** : Confirm

**Long Term Storage** : 2-8 °C for long term storage

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

**Weight Loss By TGA** : 0.51 %

**Additional Information**

% Potency = [100 - 0.51 ( Wt loss by TGA )] X [ 98.72 (HPLC Purity)] / 100 = 98.22 %

**Recommendation** : Released



	Department	Signature	Date
Prepared by	Quality Assurance		
Checked by	Quality Assurance		
Approved By	Quality Assurance		

**Attachments** : HPLC, Mass, NMR, IR, TGA