

Certificate of Analysis

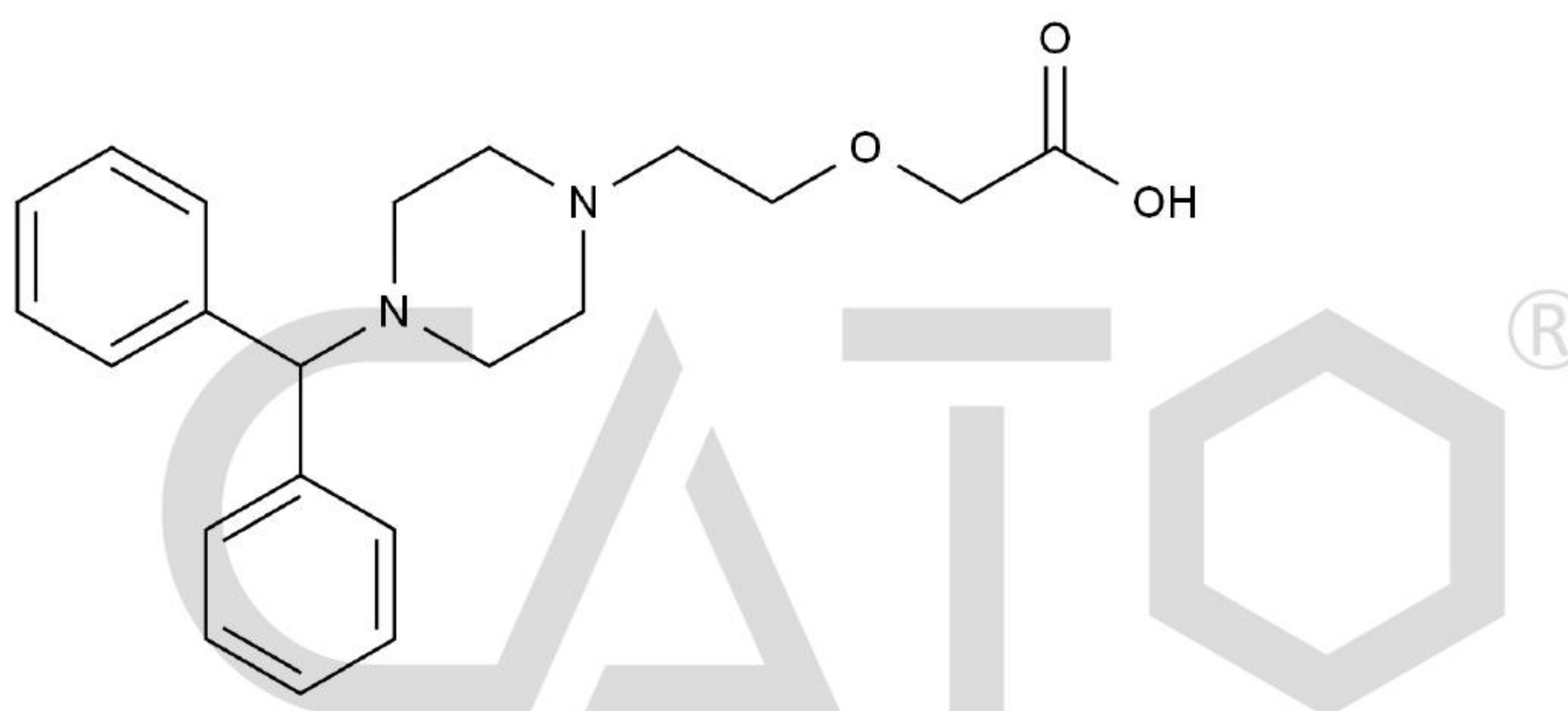
Reference Material & Standard

Product Name:	Cetirizine EP Impurity F	Catalogue Number:	C4X-108320
Synonyms:	N/A	Lot Number:	0302-RH-0129
CAS Number:	83881-53-2	Expiry Date:	Mar 01, 2029
Molecular Formula:	C ₂₁ H ₂₆ N ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	354.44	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.676 %
Residue on Ignition	TGA	0.8774%
Loss On Drying	TGA	7.7068%
Assay		90.2%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

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Approved by General Manager:

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Date: Mar 26, 2026

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