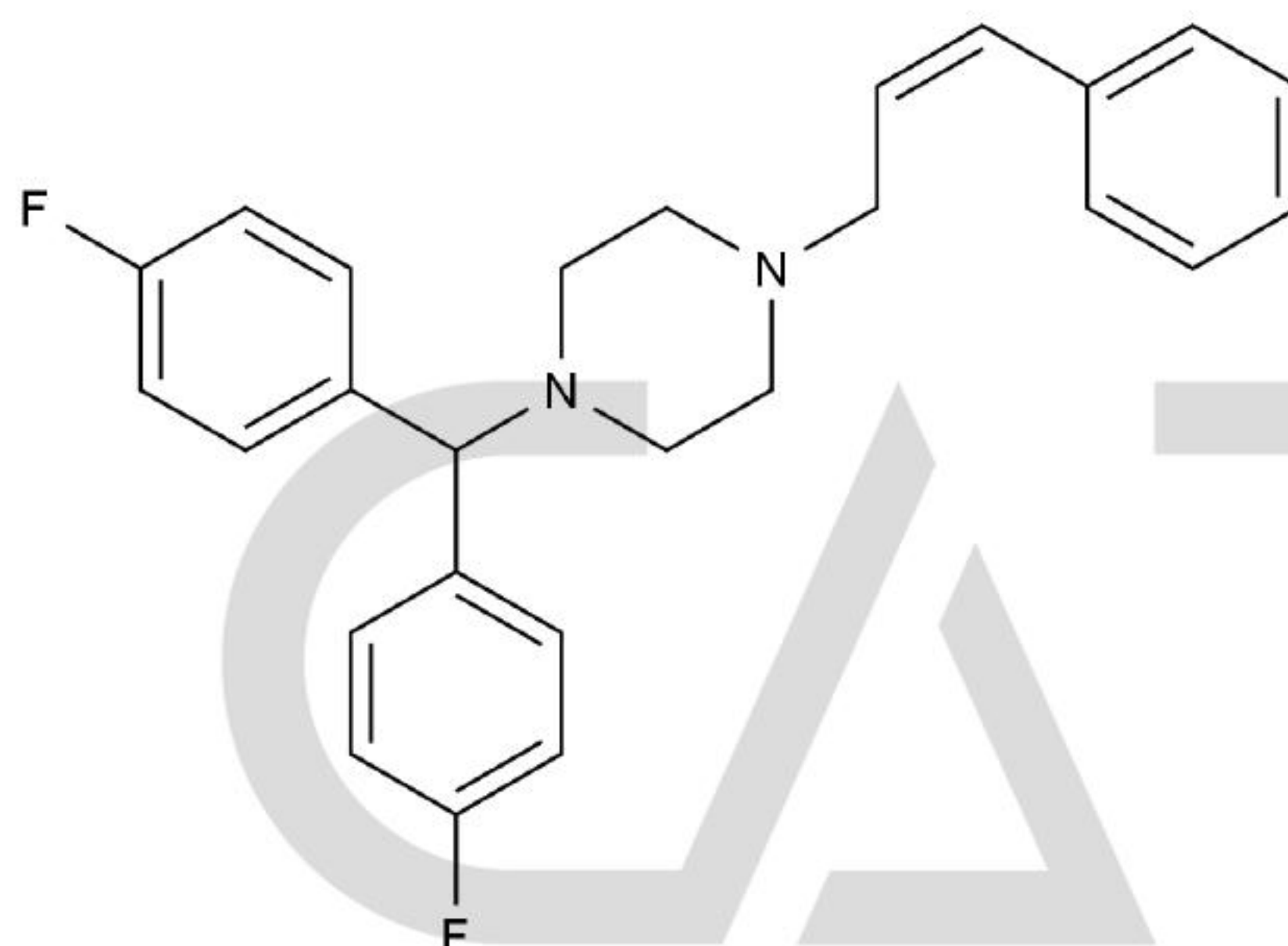


Certificate of Analysis

Reference Material & Standard

Product Name:	Flunarizine EP Impurity D((Z)-Flunarizine)	Catalogue Number:	C4X-135723
Synonyms:	N/A	Lot Number:	0427-RH-0172
CAS Number:	693765-11-6	Expiry Date:	Apr 29, 2030
Molecular Formula:	C ₂₆ H ₂₆ F ₂ N ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	404.49	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Oil
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.497%
Residue on Ignition	TGA	0.2213%
Loss on Drying	TGA	2.4068%
Assay		96.9%

Comment:

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

Assay (%) = (100%-Residue on Ignition-Loss on Drying) * 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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jun 08, 2026

Date: Jun 08, 2026

Date: Jun 08, 2026



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