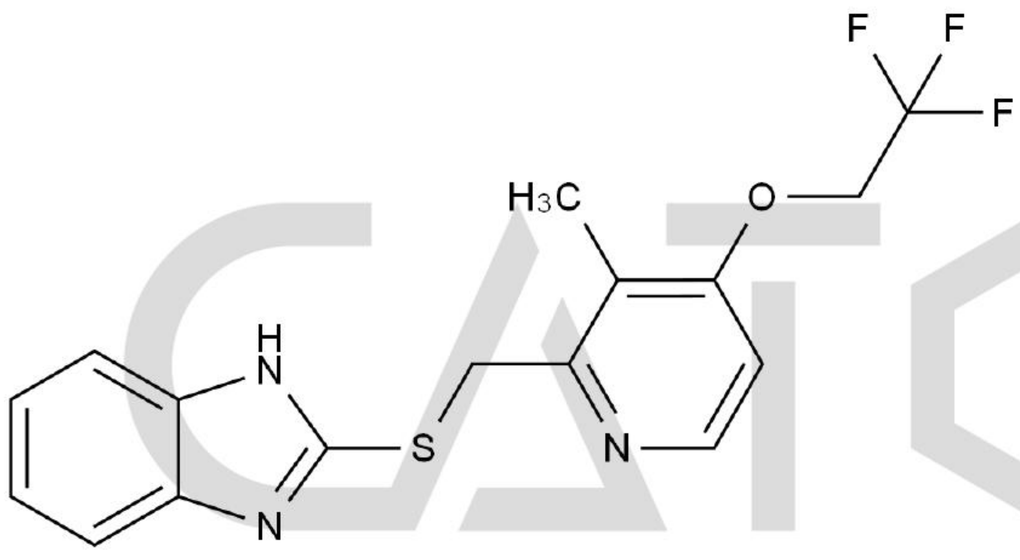
Certificate of Analysis

Reference Material & Standard

Product Name:	Lansoprazole EP Impurity C/USP Impurity B	**Catalogue Number:**	C4X-11133
Synonyms:	N/A	**Lot Number:**	0428-RF-0093
CAS Number:	103577-40-8	**Expiry Date:**	Sep 03, 2030
Molecular Formula:	$C_{16}H_{14}F_3N_3OS$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	353.36	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.707%
Loss on Drying	TGA	4.4898%
Assay		95.2%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koji — Date: Sep 04, 2026

Reviewed by: Lisa — Date: Sep 04, 2026

Approved by General Manager: David — Date: Sep 04, 2026

CATO Research Chemicals Inc.