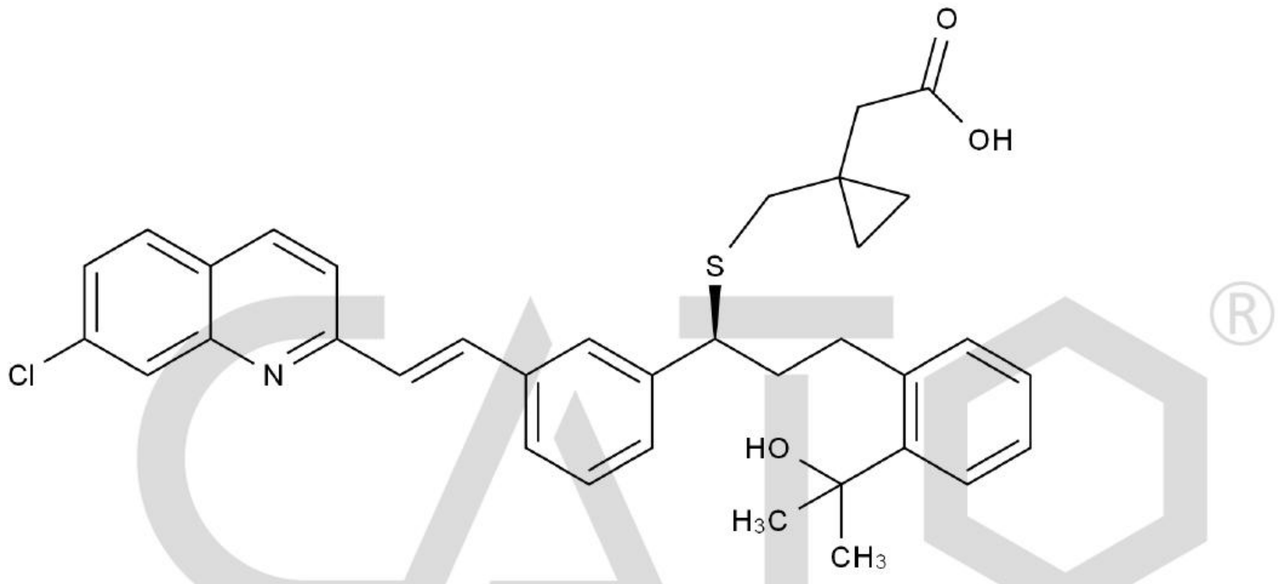
Certificate of Analysis

Reference Material & Standard

Product Name:	Montelukast EP Impurity A	**Catalogue Number:**	C4X-103125
Synonyms:	N/A	**Lot Number:**	0629-RH-0107
CAS Number:	220927-27-5	**Expiry Date:**	Jun 28, 2030
Molecular Formula:	$C_{35}H_{36}ClNO_3S$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	586.18	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.482%
Loss on Drying	TGA	2.633%
Assay	Mass Balance	96.9%

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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: Koi Date: Oct 13, 2026

Reviewed by: Lisa Date: Oct 13, 2026

Approved by General Manager: David Date: Oct 13, 2026

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