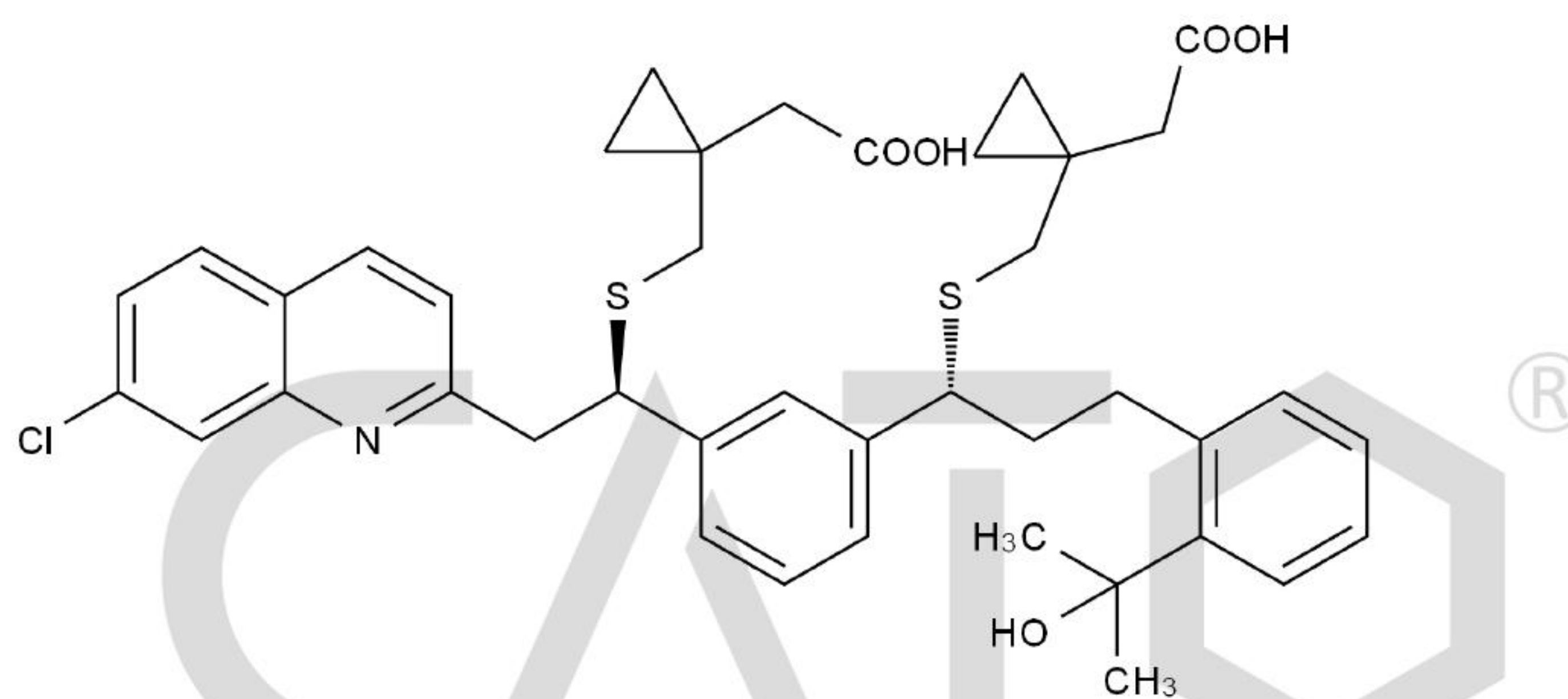


Certificate of Analysis

Reference Material & Standard

Product Name:	Montelukast EP Impurity D	Catalogue Number:	C4X-103114
Synonyms:	Michael Adduct 1	Lot Number:	0209-RH-0057
CAS Number:	1187586-61-3	Expiry Date:	Feb 10, 2030
Molecular Formula:	C ₄₁ H ₄₆ ClNO ₅ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	732.39	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.412%
Loss On Drying	TGA	0.2752%
Assay		96.1%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Feb 11, 2026

Date: Feb 11, 2026

Date: Feb 11, 2026

