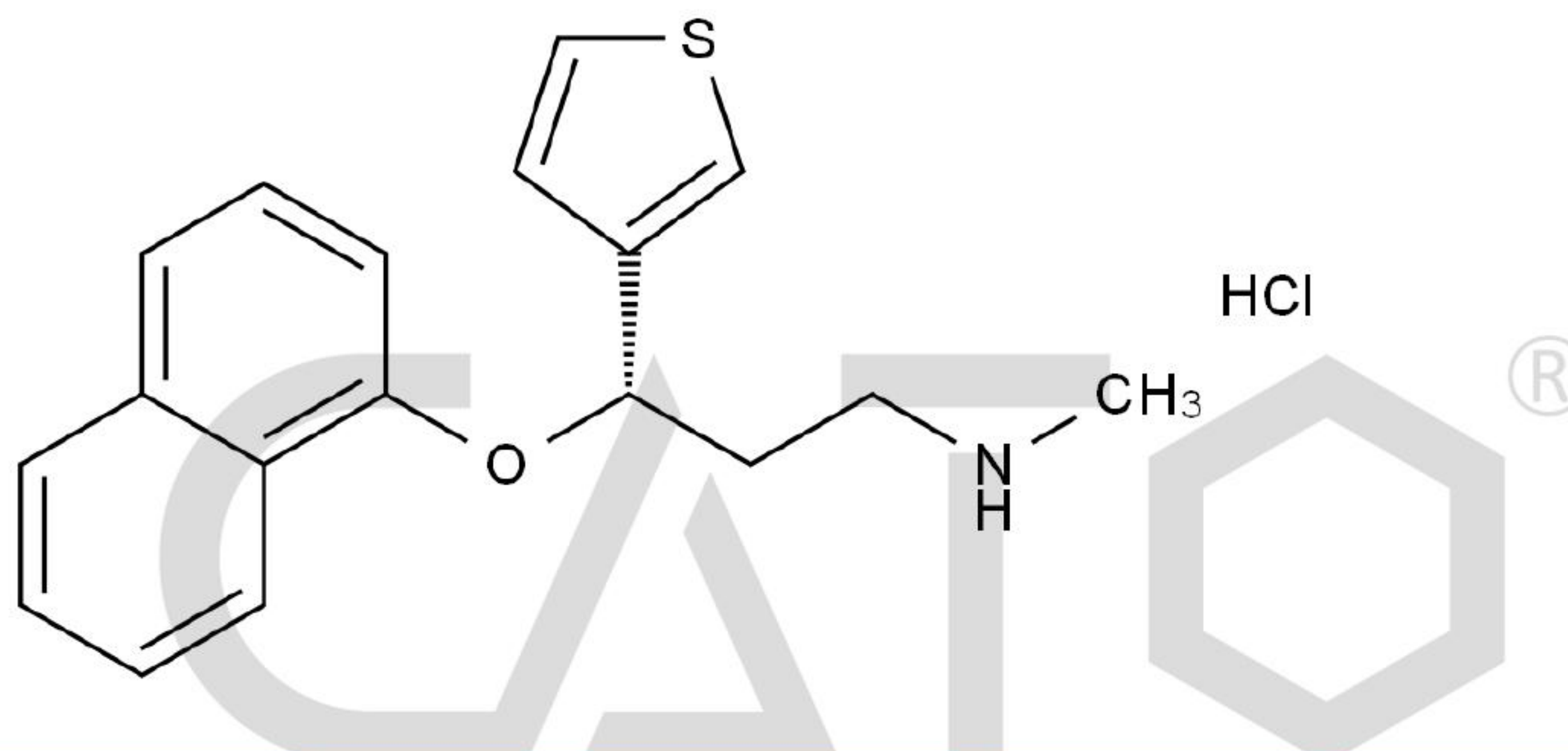


Certificate of Analysis

Reference Material & Standard

Product Name:	Duloxetine EP Impurity F HCl	Catalogue Number:	C4X-13366
Synonyms:	N/A	Lot Number:	0311-RH-0080
CAS Number:	2748376-86-3	Expiry Date:	Jan 29, 2030
Molecular Formula:	C ₁₈ H ₁₉ NOS HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	297.41 36.46	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	100.000 %
Water Content	Karl Fischer	0.22%
Residual Solvents	NMR	0.28% ethyl acetate
Assay		99.5%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Mar 12, 2026

Date: Mar 12, 2026

Date: Mar 12, 2026



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