CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

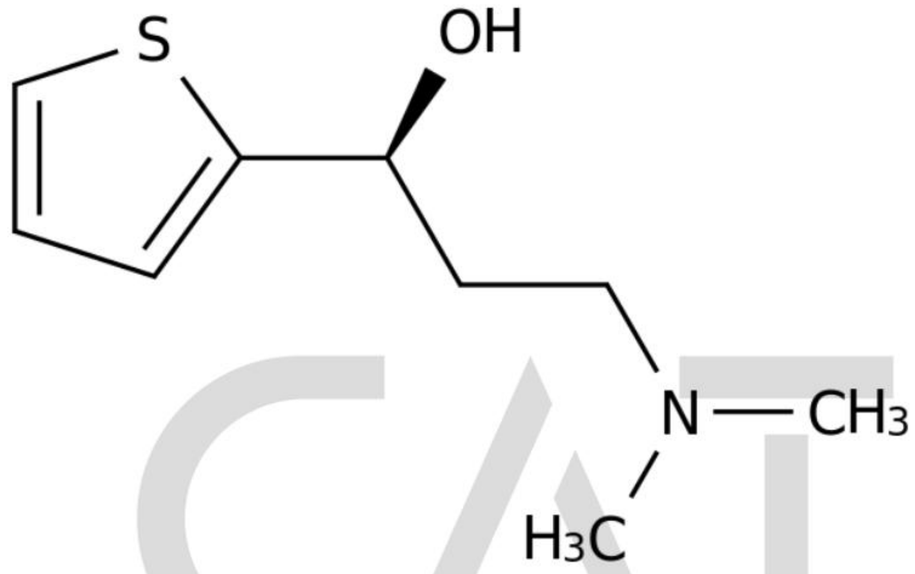
No.: 202508130141

Certificate of Analysis

Reference Material & Standard

Product Name:	Duloxetine Impurity 14	**Catalogue Number:**	C4X-133614
Synonyms:	N/A	**Lot Number:**	0822-RG-0119
CAS Number:	132335-44-5	**Expiry Date:**	Aug 21, 2029
Molecular Formula:	C9H15NOS	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	185.29		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	3.3775%
Assay		96.6%

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Comment:

The calculation of the 100% 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: Alice — Date: Aug 22, 2025

Reviewed by: Lisa — Date: Aug 25, 2025

Approved by General Manager: David — Date: Aug 25, 2025

CATO Research Chemicals Inc.

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China
Tel: +86-20-81960175 Fax: +86-20-81717260 Email: supports@cato-chem.com Web: Https://www.cato-chem.com

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