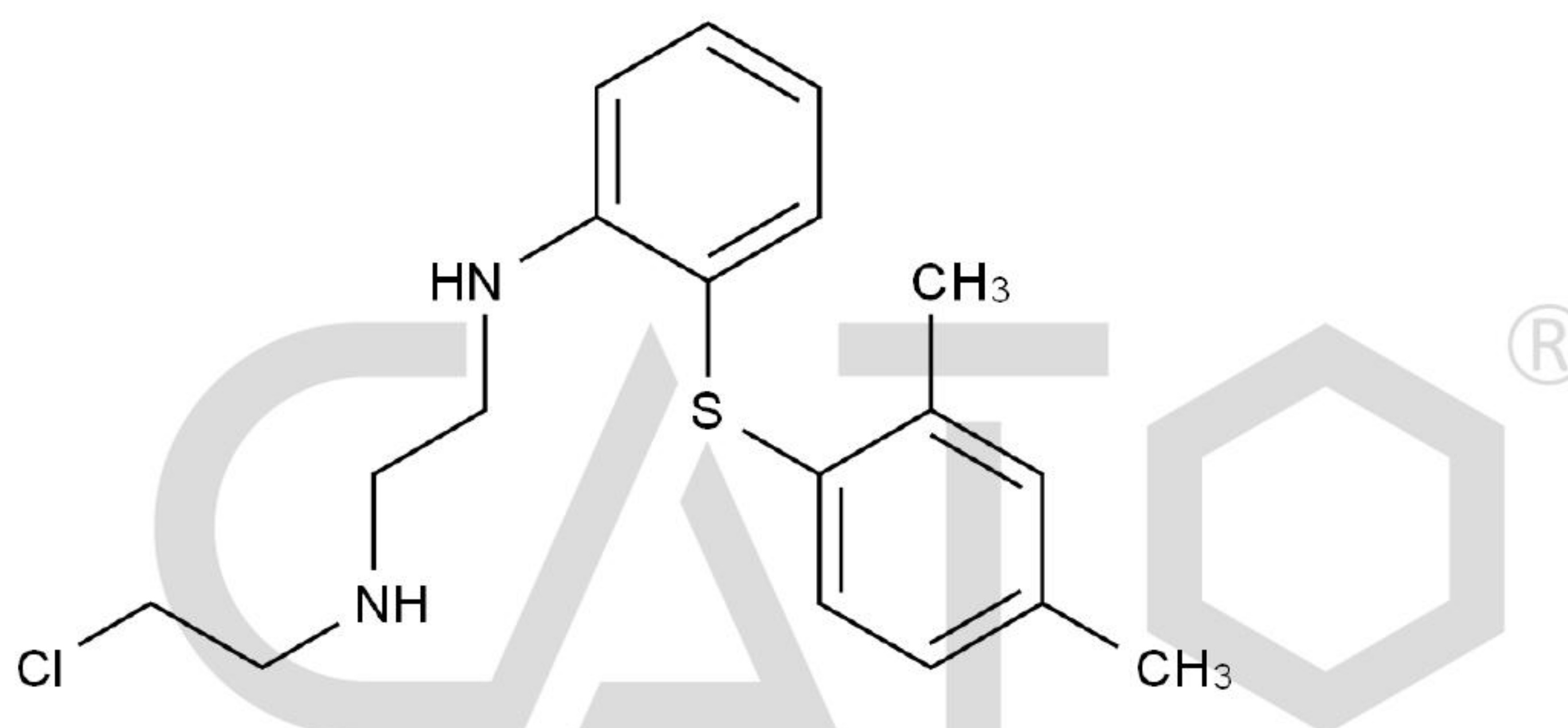


Certificate of Analysis

Reference Material & Standard

Product Name:	Vortioxetine Impurity 52	Catalogue Number:	C4X-105652
Synonyms:	N/A	Lot Number:	0928-RE-0076
CAS Number:	1928741-88-1	Expiry Date:	Sep 25, 2027
Molecular Formula:	C ₁₈ H ₂₃ ClN ₂ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	334.91	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	93.0%
Assay	qNMR	76.4%

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 30, 2025

Date: Dec 30, 2025

Date: Dec 30, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

