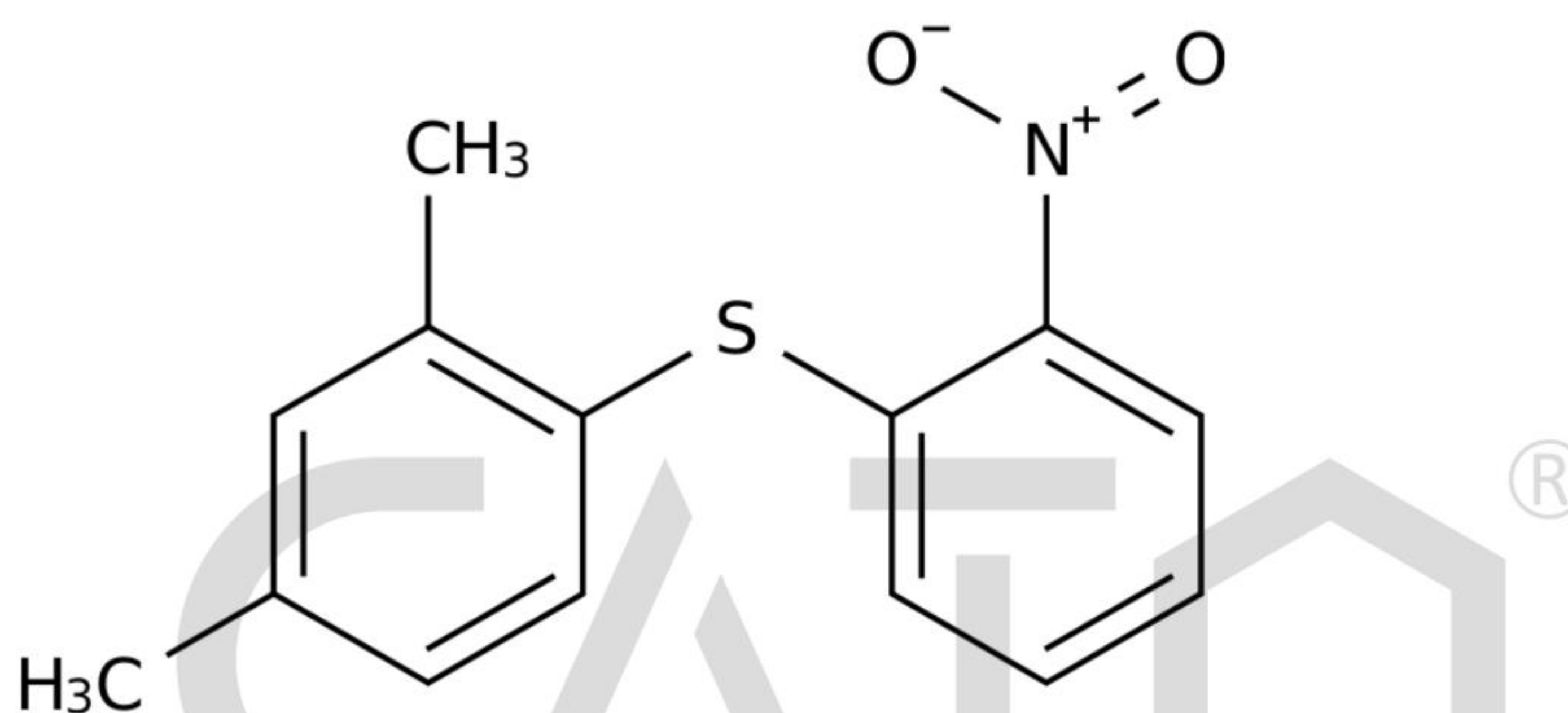


Certificate of Analysis

Reference Material & Standard

Product Name:	Vortioxetine Impurity 51	Catalogue Number:	C4X-105651
Synonyms:	N/A	Lot Number:	1221-RE-0040
CAS Number:	1610527-49-5	Expiry Date:	Dec 24, 2026
Molecular Formula:	C ₁₄ H ₁₃ NO ₂ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	259.32		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.905%
Loss On Drying	TGA	0.1395%
Assay		99.8%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Dec 25, 2023

Date: Dec 25, 2023

Date: Dec 25, 2023

