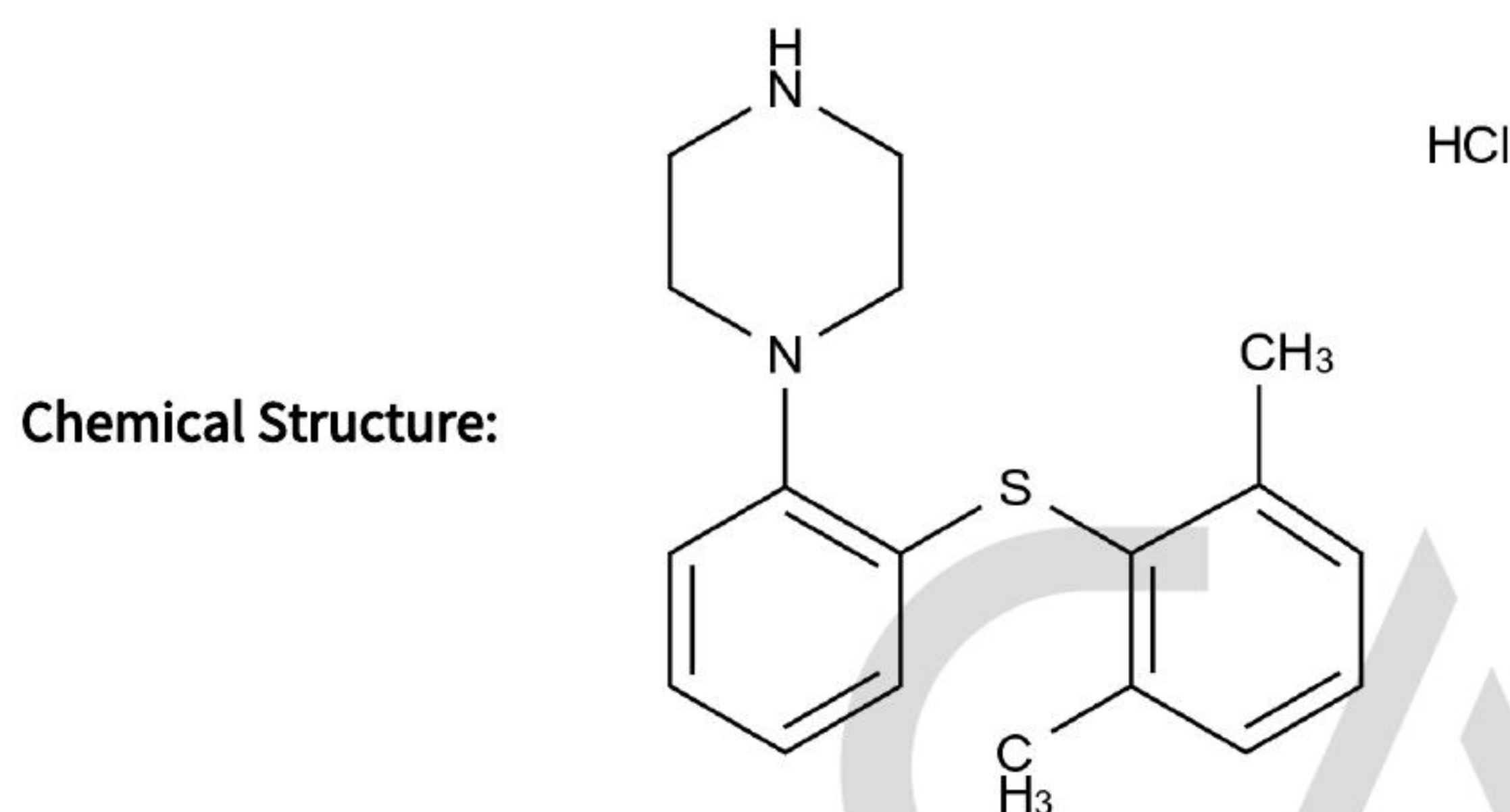


Certificate of Analysis

Reference Material & Standard

Product Name:	Vortioxetine Impurity 120 HCl	Catalogue Number:	C4X-1056120
Synonyms:	N/A	Lot Number:	1024-RF-0041
CAS Number:	508233-76-9(free base)	Expiry Date:	Oct 28, 2027
Molecular Formula:	C ₁₈ H ₂₂ N ₂ S HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	298.45 36.46		



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	0.82%
Residual Solvents	NMR	Not detected in NMR
Assay		99.2%

Comment:

The calculation of the 100% 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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Oct 29, 2024

Date: Oct 29, 2024

Date: Oct 29, 2024

