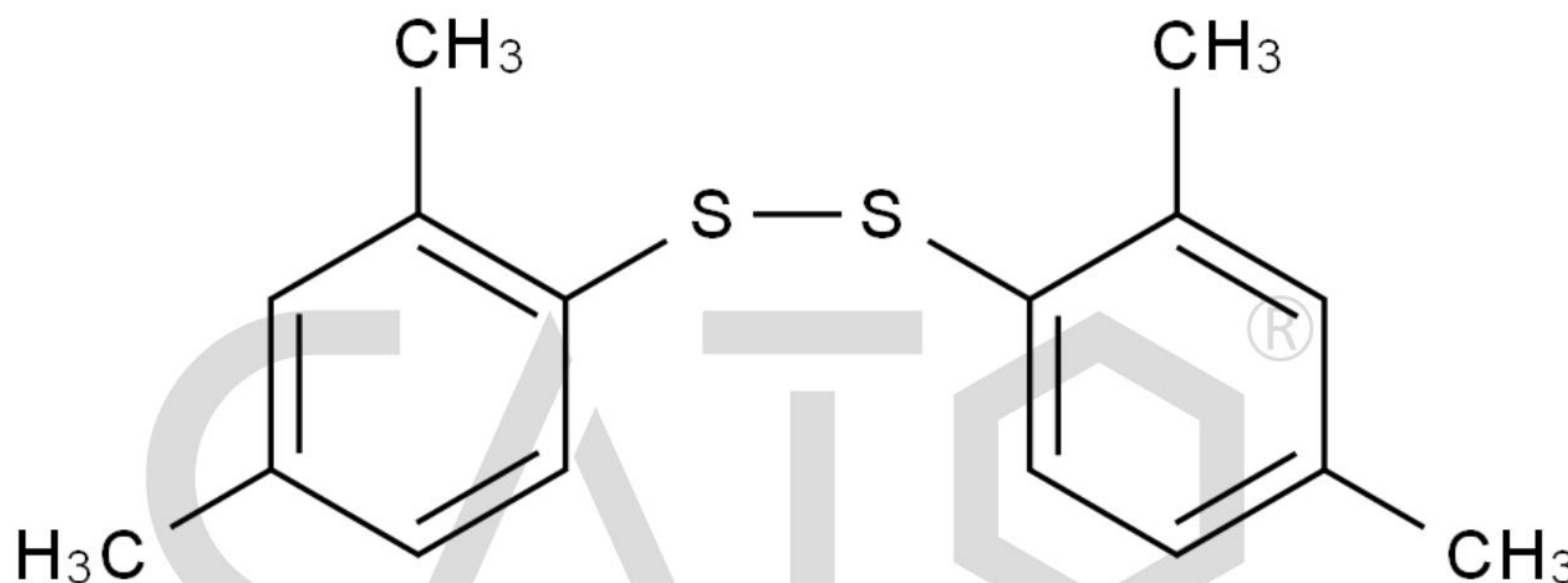


Certificate of Analysis

Reference Material & Standard

Product Name:	Vortioxetine Impurity 8	Catalogue Number:	C4X-10568
Synonyms:	N/A	Lot Number:	1104-RG-0056
CAS Number:	13616-83-6	Expiry Date:	Nov 03, 2029
Molecular Formula:	C ₁₆ H ₁₈ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	274.44	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Liquid
Identification	GCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	GC	100.000%
Loss On Drying	TGA	0.2416%
Assay		99.8%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity GC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Nov 04, 2025

Date: Nov 04, 2025

Date: Nov 04, 2025



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