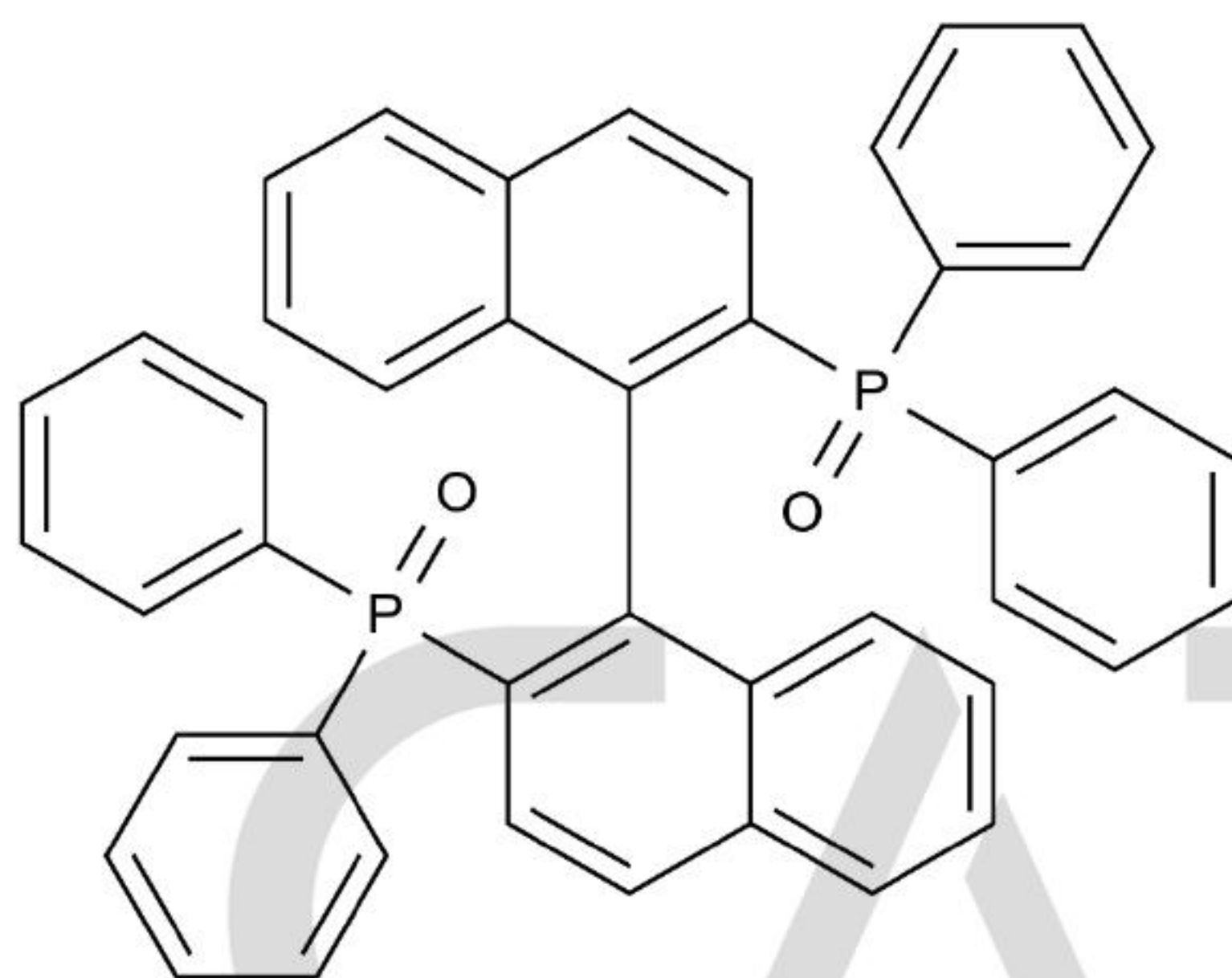


Certificate of Analysis

Reference Material & Standard

Product Name:	Vortioxetine Impurity 114	Catalogue Number:	C4X-1056114
Synonyms:	N/A	Lot Number:	0710-RF-0032
CAS Number:	86632-33-9	Expiry Date:	Jul 11, 2027
Molecular Formula:	C44H32O2P2	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	654.67		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&PNMR&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	0.1920%
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: Jul 24, 2025

Date: Jul 24, 2025

Date: Jul 24, 2025

