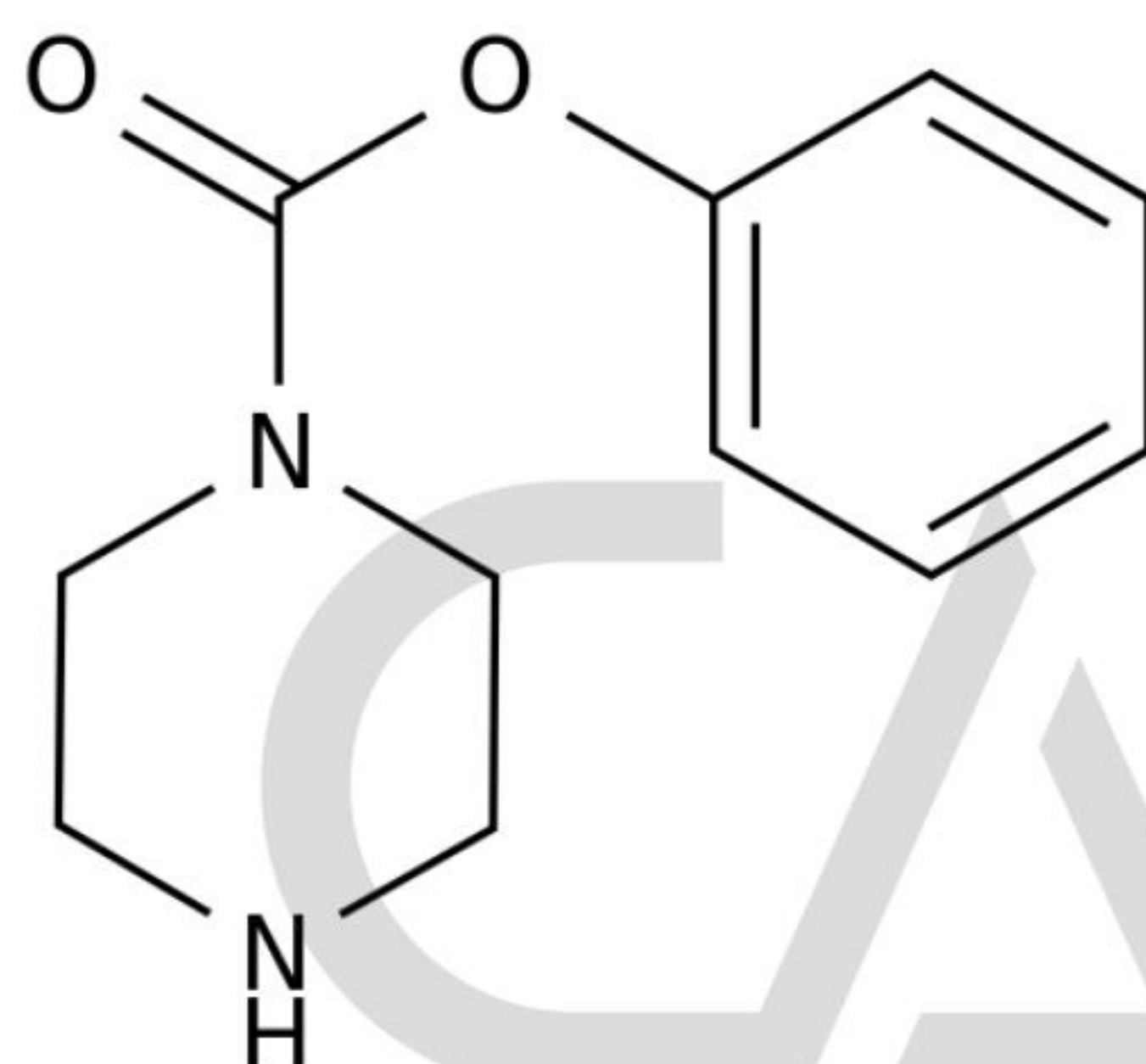


Certificate of Analysis

Reference Material & Standard

Product Name:	Vortioxetine Impurity 90	Catalogue Number:	C4X-105690
Synonyms:	N-phenoxy carbonyl piperazine	Lot Number:	0605-RH-0100
CAS Number:	50606-33-2	Expiry Date:	Jun 09, 2030
Molecular Formula:	C ₁₁ H ₁₄ N ₂ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	206.24	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss on Drying	TGA	0.1833%
Assay		99.8%

Comment:

The calculation of the mass balance 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: Jun 10, 2026

Date: Jun 10, 2026

Date: Jun 10, 2026



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