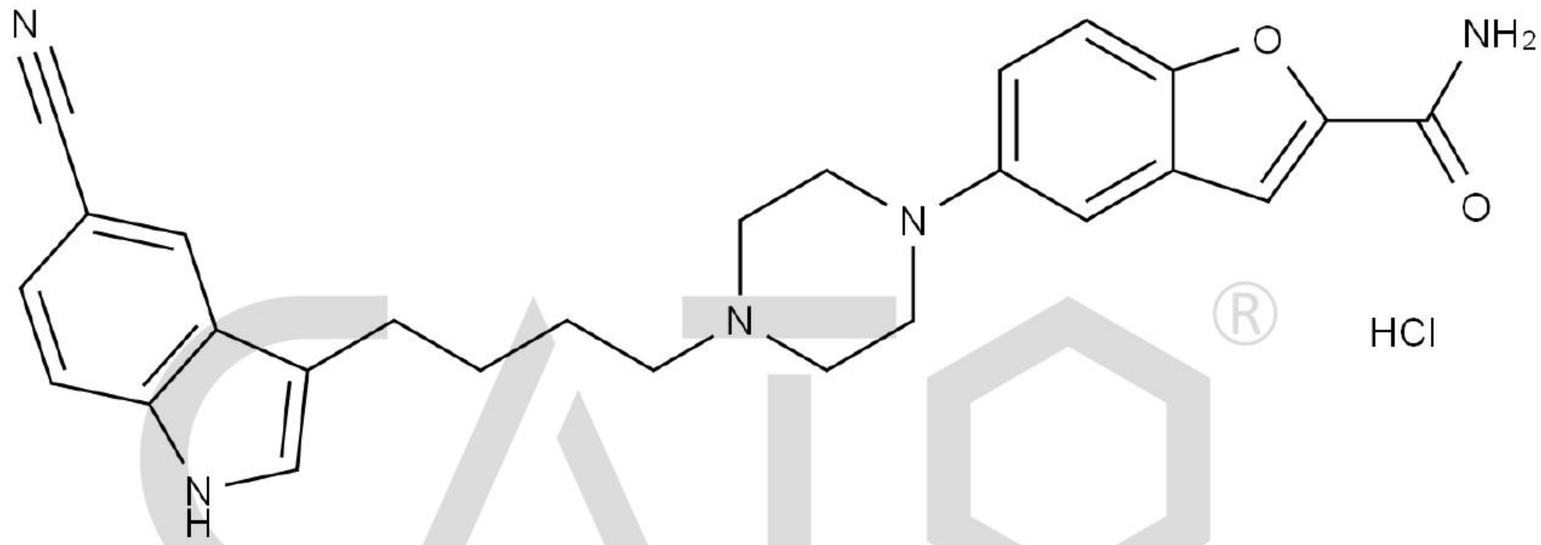
Certificate of Analysis

Reference Material & Standard

Product Name:	Vilazodone Hydrochloride	**Catalogue Number:**	C4X-1355
Synonyms:	N/A	**Lot Number:**	1010-RH-0021
CAS Number:	163521-08-2	**Expiry Date:**	Oct 12, 2030
Molecular Formula:	$C_{26}H_{27}N_5O_2$ HCl	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	441.52 36.46	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.730%
Residue on Ignition	TGA	0.2318%
Loss on Drying	TGA	2.4815%
Assay	qNMR	96.8%
Assay (Assigned Value)	Mass Balance	97.0%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice — Date: Oct 13, 2026

Reviewed by: Koi — Date: Oct 13, 2026

Approved by General Manager: David — Date: Oct 13, 2026

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