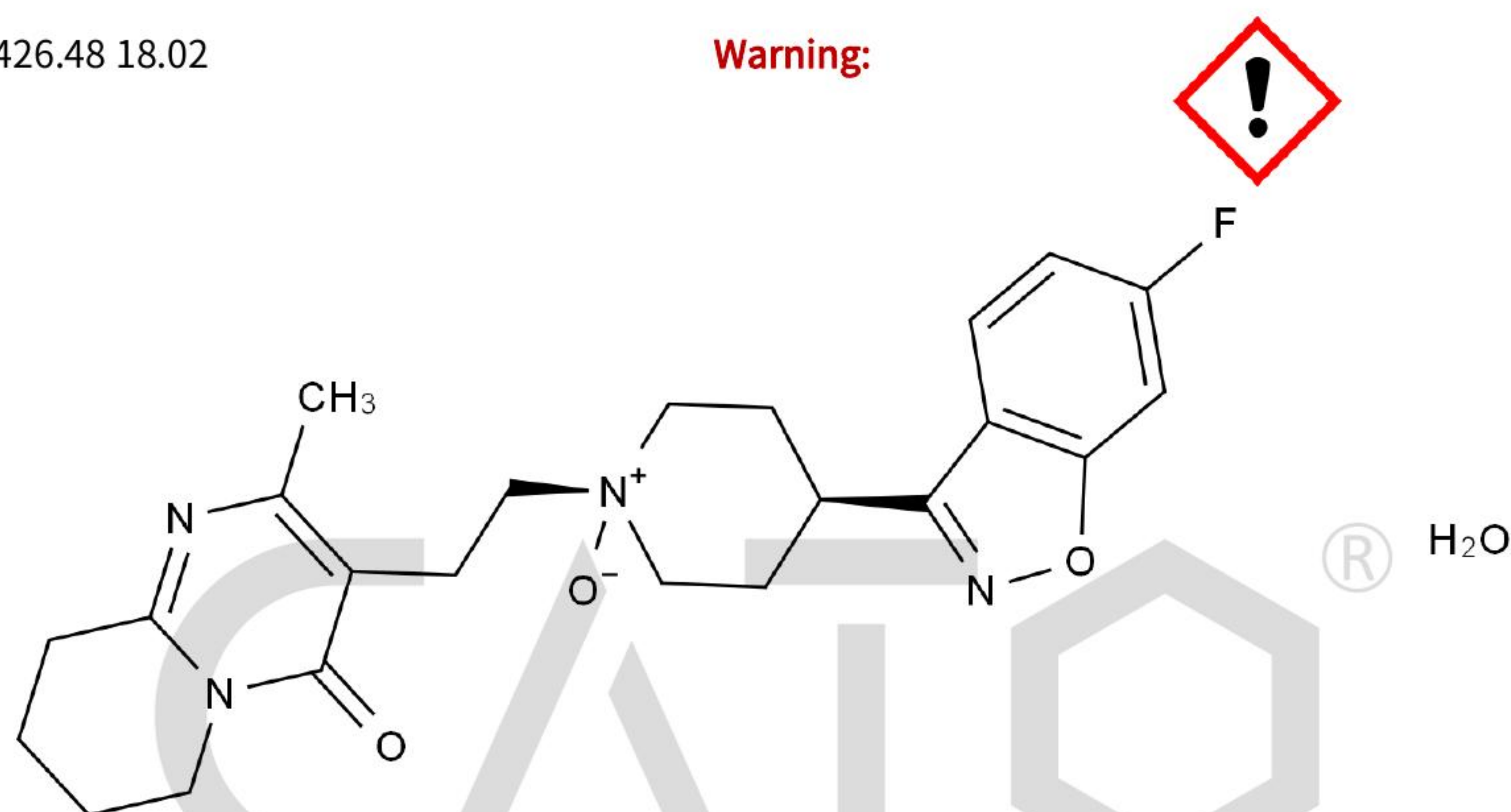


Certificate of Analysis

Reference Material & Standard

Product Name:	Risperidone trans-N-oxide impurity	Catalogue Number:	C4X-11112
Synonyms:	N/A	Lot Number:	0701-RA-0007
CAS Number:	N/A	Expiry Date:	May 29, 2028
Molecular Formula:	C ₂₃ H ₂₇ N ₄ O ₃ · H ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	426.48 18.02	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.9781%
Loss On Drying	TGA	10.31%
Loss On Drying(Free Water)		6.26%
Assay		91.8%

Comment:

- The content of crystal water is 4.0540%.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss On Drying(Free Water)}) * \text{Purity HPLC (\%)} / 100\%$$
 Loss On Drying(Free Water) is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jun 05, 2025

Date: Jun 05, 2025

Date: Jun 05, 2025

