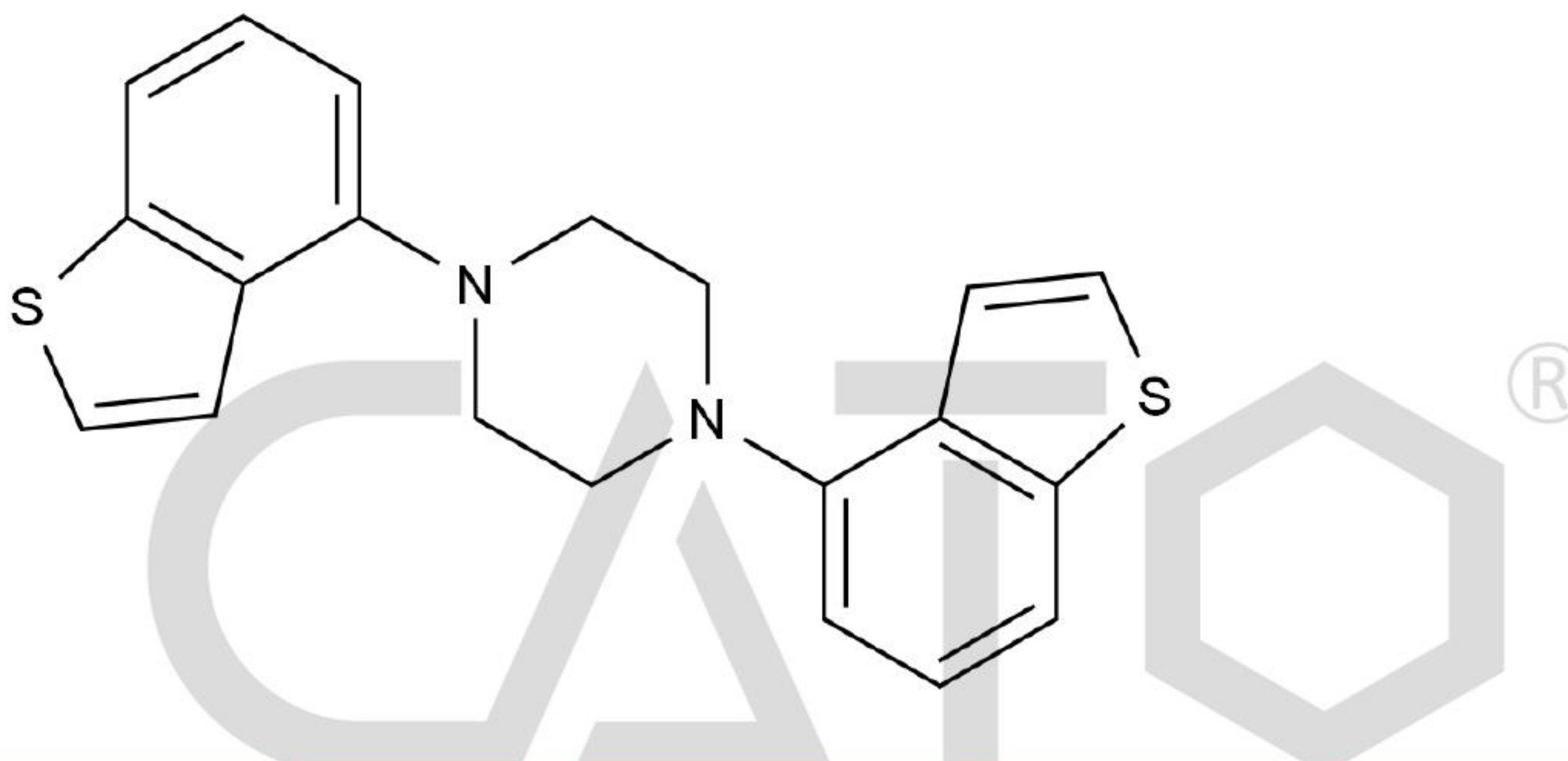


Certificate of Analysis

Reference Material & Standard

Product Name:	Brexpiprazole Impurity 3	Catalogue Number:	C4X-11313
Synonyms:	N/A	Lot Number:	0424-RF-0073
CAS Number:	1420987-86-5	Expiry Date:	Apr 14, 2027
Molecular Formula:	C ₂₀ H ₁₈ N ₂ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	350.50	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.626%
Water Content	Karl Fischer	0.56%
Residual Solvents	NMR	Not detected in NMR
Assay		99.1%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Apr 25, 2024

Date: Apr 25, 2024

Date: Apr 25, 2024



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