

Certificate of Analysis

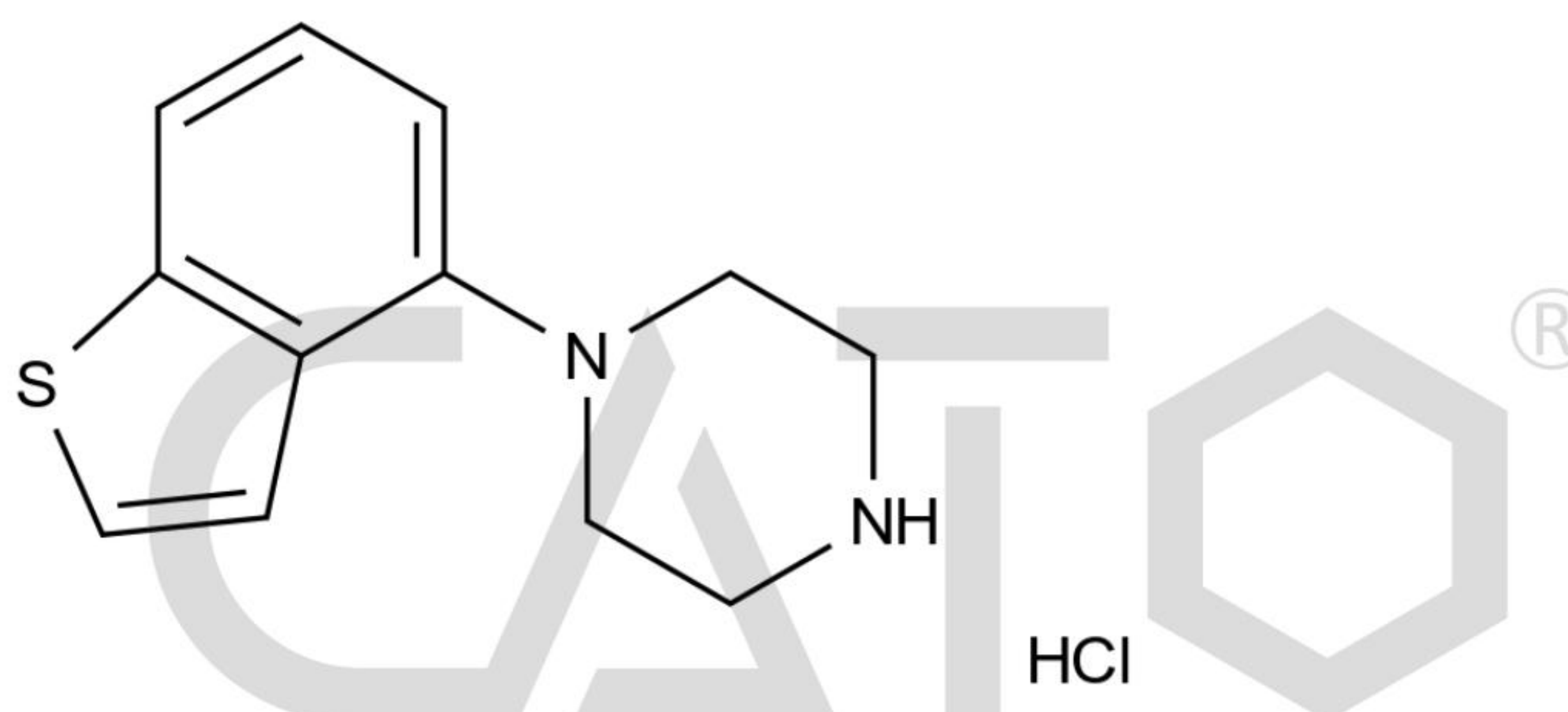
Reference Material & Standard

Product Name:	Brexpiprazole Impurity 2	Catalogue Number:	C4X-11312
Synonyms:	N/A	Lot Number:	0208-RE-0053
CAS Number:	913614-18-3	Expiry Date:	Aug 17, 2029
Molecular Formula:	C ₁₂ H ₁₄ N ₂ S HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	218.32 36.46	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.920%
Loss on Drying	TGA	0.6392%
Assay		99.3%

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: May 12, 2026

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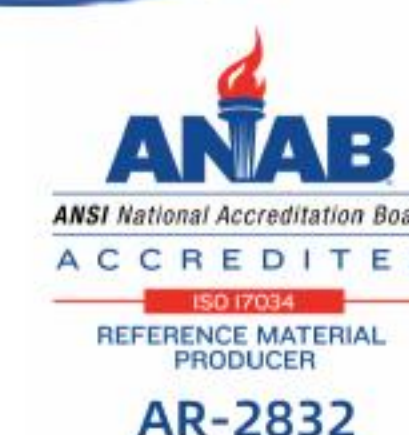
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