

Certificate of Analysis

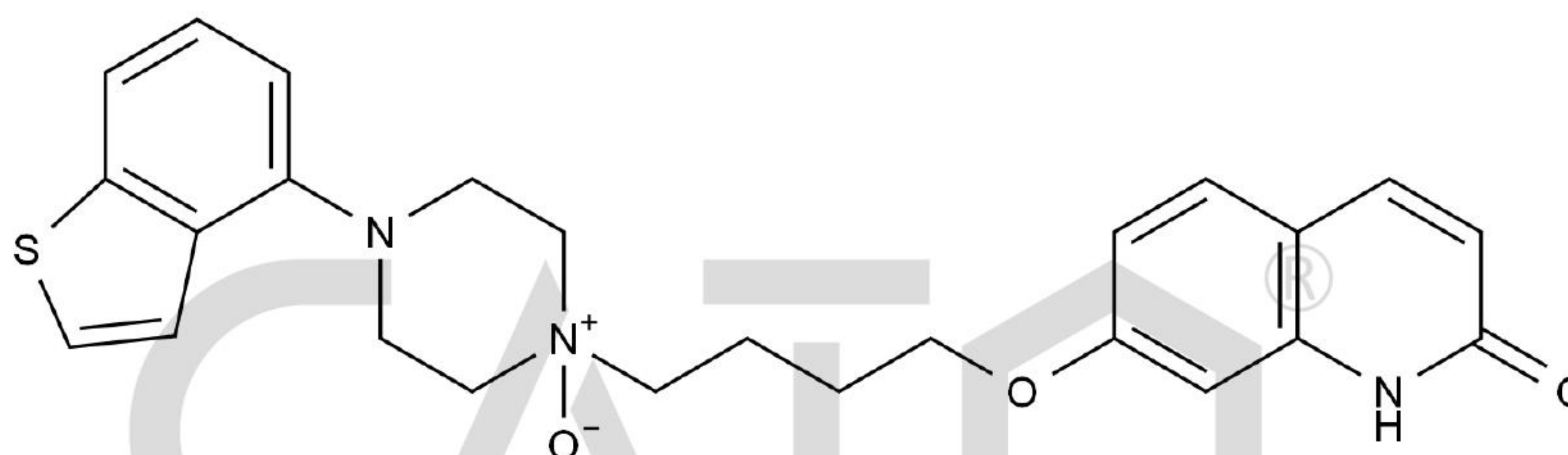
Reference Material & Standard

Product Name:	Brexpiprazole Impurity 10	Catalogue Number:	C4X-113110
Synonyms:	N/A	Lot Number:	0403-RH-0044
CAS Number:	1191900-58-9	Expiry Date:	Apr 02, 2030
Molecular Formula:	C ₂₅ H ₂₇ N ₃ O ₃ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	449.57	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&CNMR&HNMR&1H-1H COSY&1H-1H-NOESY	Confirmed
Purity	HPLC	99.600 %
Residue on Ignition	TGA	0.1359%
Loss on Drying	TGA	2.9224%
Assay		96.6%

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:

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Date: Apr 09, 2026

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