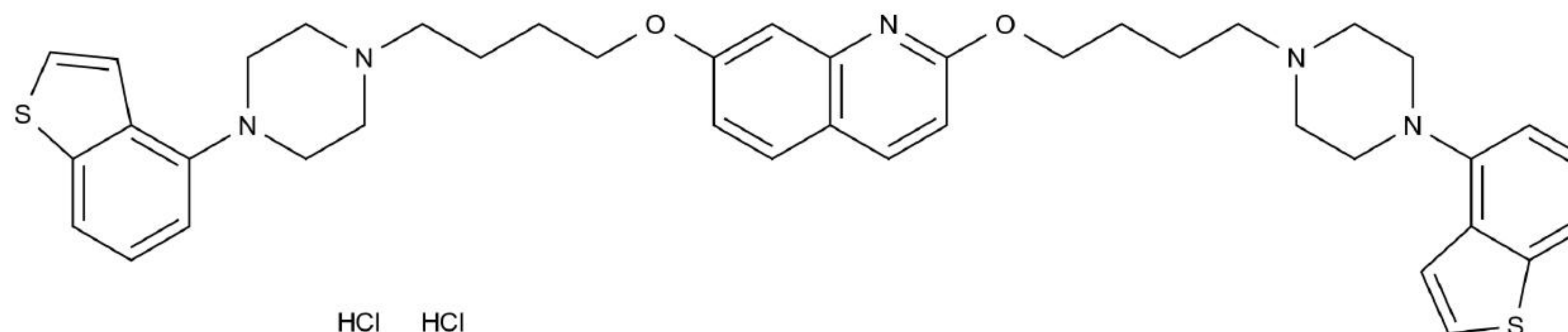


Certificate of Analysis

Reference Material

Product Name:	Brexpiprazole Impurity 30	Catalogue Number:	C4X-113130
Chemical Name:	N/A	Lot Number:	0330-RE-0046
CAS Number:	2138169-93-2(free base)	Expiry Date:	Aug 11, 2024
Molecular Formula:	C ₄₁ H ₄₇ N ₅ O ₂ S ₂ 2*HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	705.97 2*36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.931%
Water Content	Karl Fischer	0.55%
Assay		97.4%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

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

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nacy

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Aug 12, 2021

Date: Apr 03, 2023

Date: Apr 03, 2023

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