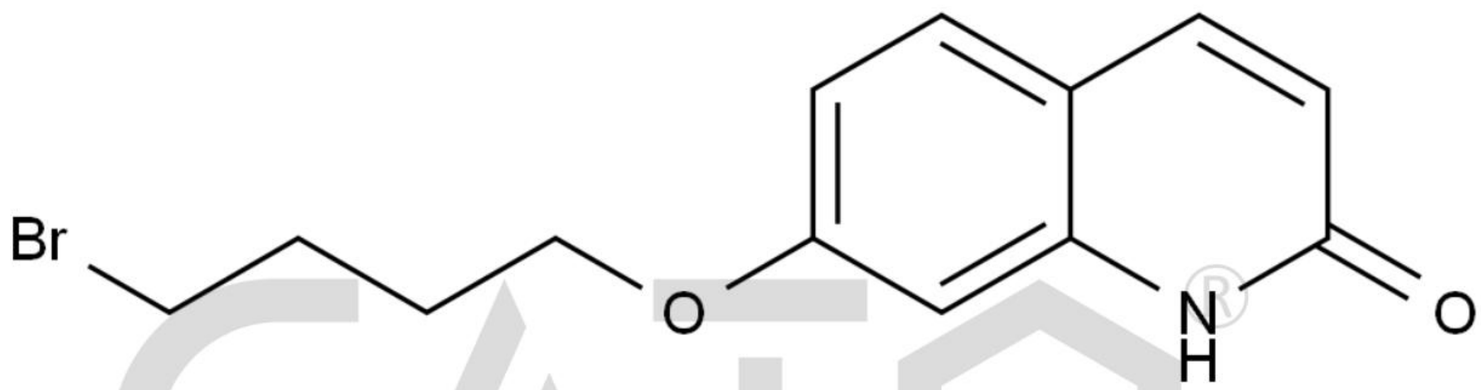
Certificate of Analysis

Reference Material & Standard

Product Name:	Brexpiprazole Impurity 14	**Catalogue Number:**	C4X-113114
Synonyms:	N/A	**Lot Number:**	0511-RF-0040
CAS Number:	203395-59-9	**Expiry Date:**	Sep 08, 2030
Molecular Formula:	$C_{13}H_{14}BrNO_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	296.16	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	96.663%
Loss on Drying	TGA	0.9901%
Assay		95.7%

CATO Research Chemicals Inc.

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: Koji Date: Sep 09, 2026

Reviewed by: Lisa Date: Sep 09, 2026

Approved by General Manager: David Date: Sep 09, 2026

CATO Research Chemicals Inc.