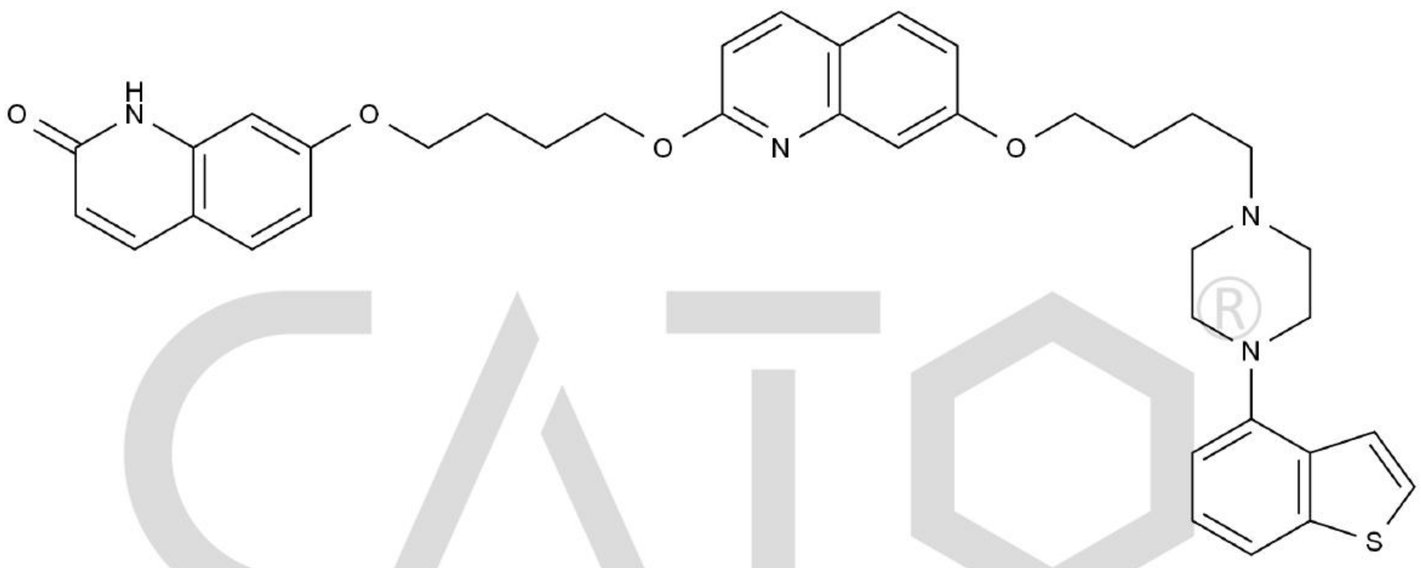
Certificate of Analysis

Reference Material & Standard

Product Name:	Brexpiprazole Impurity 49	**Catalogue Number:**	C4X-113149
Synonyms:	N/A	**Lot Number:**	0726-RF-0047
CAS Number:	2116542-21-1	**Expiry Date:**	Sep 21, 2030
Molecular Formula:	$C_{38}H_{40}N_4O_4S$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	648.81	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	95.1%
Assay	qNMR	91.4%

CATO Research Chemicals Inc.

Signature:

Prepared by: Koji Date: Sep 22, 2026

Reviewed by: Lisa Date: Sep 22, 2026

Approved by General Manager: David Date: Sep 22, 2026

CATO Research Chemicals Inc.