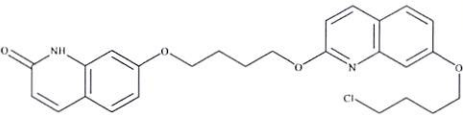


Certificate of Analysis



Certificate No.: 20260622005

Date: June 22, 2026

Retest date: June 17, 2029

Compound Name:	Brexpiprazole Impurity 30	
Synonyms:	7-(4-((7-(4-chlorobutoxy)quinolin-2-yl)oxy)butoxy)quinolin-2(1H)-one	
TLC Catalogue Number:	B-115034	
CAS Number:	2059942-13-9	
Alternate CAS Number:	2059942-14-0 (HCl salt)	
Molecular Weight:	466.96	
Molecular Formula:	C ₂₆ H ₂₇ ClN ₂ O ₄	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7468-037A14	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Solution of Methanol and Acetonitrile, DMSO	

Test Description	Specifications	Results
Visual Description	Pale yellow solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 90.0%	95.3%
Impurity (HPLC)	RT 15.95, 0.72%; RT 17.86, 1.21%; RT 18.02, 1.24%	
Water Content (KF)	N/A	0.4%
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 85.0%	94.9%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/22/2026
Approved by:	Quality Assurance		06/22/2026

Attachments: Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.