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## CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2026

Re-test Date: Jan 2029

**Product Name: Brexpiprazole Impurity 31**

### Identification:

Chemical Name: 2,7-Bis(4-(4-(benzo[b]thiophen-4-yl)piperazin-1-yl)butoxy)quinoline

Synonyms : NA

CAS Number : 2138169-93-2

CAT Number : CP-B15019

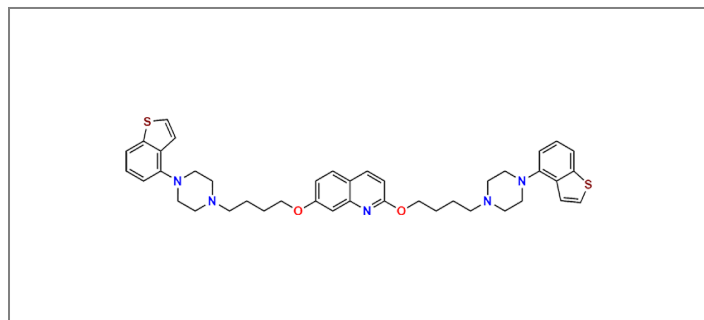
Molecular Formula : C41H47N5O2S2

Molecular Weight : 706

Batch Number : CP-29-334-N

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/CDCI3
3)	MASS By LCMS	Confirm to structure
4)	Purity by HPLC	96.36%
5)	1HNMR	Confirm to Structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	0.227%
8)	Potency by TGA	96.14%



### Prepared and Reviewed By



Ms Priyanka Salunkhe  
(Quality Control)

### Approved By



Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.