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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2024

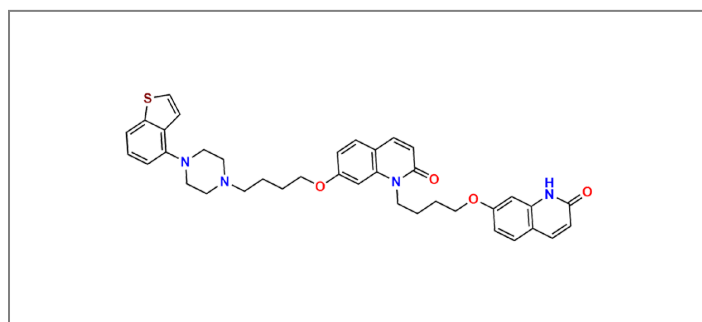
Re-test Date: Feb 2027

**Product Name: Brexpiprazole Impurity 30**

### Identification:

Chemical Name: 7-(4-(4-(Benzo[b]thiophen-4-yl)piperazin-1-yl)butoxy)-1-(4-((2-oxo-1,2-dihydroquinolin-7-yl)oxy)butyl)quinolin-2(1H)-one

Synonyms : NA  
CAS Number : 2094559-58-5  
CAT Number : CP-B15018  
Molecular Formula : C<sub>38</sub>H<sub>40</sub>N<sub>4</sub>O<sub>4</sub>S  
Molecular Weight : 648.82  
Batch Number : CP-BRE-30-0224  
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	Gray Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.4%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	6.384%
8)	Potency by TGA	93.05%



Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Manager QC Analytical)

Approved By

Ms Rohini Gagare  
(QA Head)

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