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CERTIFICATE OF ANALYSIS

Analysis Date: Jan 2026

Re-test Date: Dec 2028

Product Name: Brexpiprazole impurity 12

Identification:

Chemical Name: 7-[4-[(2-Oxo-1H-quinolin-7-yl)oxy]butoxy]-1H-quinolin-2-one

Synonyms : NA

CAS Number : 2116542-19-7

CAT Number : CP-B15001

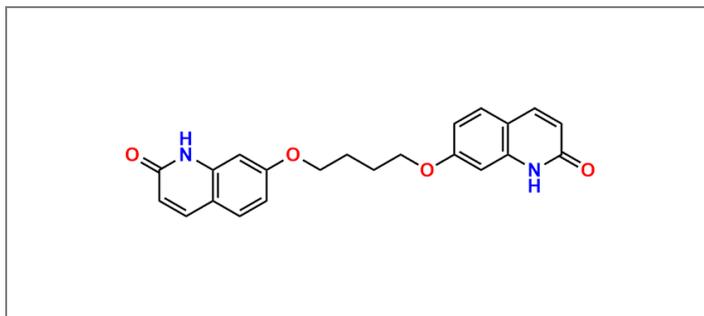
Molecular Formula : C22H20N2O4

Molecular Weight : 376.41

Batch Number : CP-33-174

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	Off white solid
2)	Solubility	Soluble in DMSO:THF(7:3)
3)	MASS By LCMS	Confirm to Structure
4)	Purity by HPLC	92.00%
5)	¹ HNMR	Confirm to Structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	0.802 %
8)	Potency by TGA	91.26%



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.