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CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2025

Re-test Date: Jun 2028

Product Name: Brexpiprazole N-Oxide

Identification:

Chemical Name: 4-(Benzo[b]thiophen-4-yl)-1-(4-((2-oxo-1,2-dihydroquinolin-7-yl)oxy)butyl)piperazine 1-oxide

Synonyms : NA

CAS Number : 1191900-58-9

CAT Number : CP-B15004

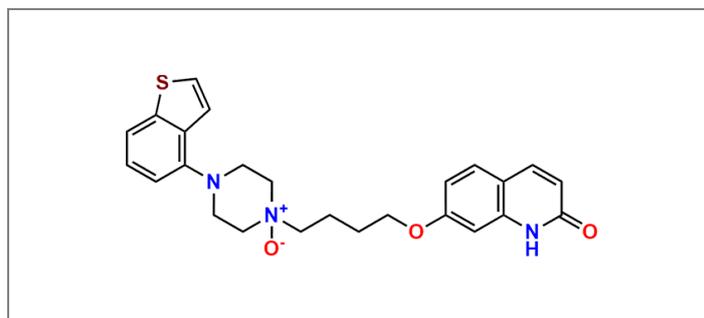
Molecular Formula : C₂₅H₂₇N₃O₃S

Molecular Weight : 449.57

Batch Number : CP-BRE-NOX-0825

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 Methanol/DMSO+1Drop TFA
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.45%
5)	¹ HNMR	Confirm to structure
6)	¹³ CNMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.026%
9)	Potency by TGA	99.42%



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.