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CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2026

Re-test Date: May 2029

Product Name: Brexpiprazole Di-N-Oxide

Identification:

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

Synonyms : Brexpiprazole N,N-dioxide

CAS Number : 2247155-42-4

CAT Number : CP-B15003

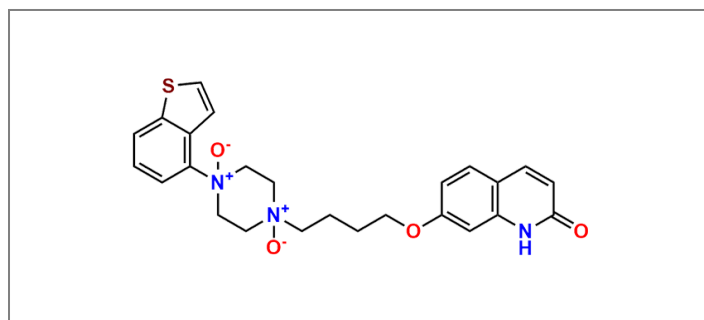
Molecular Formula : C₂₅H₂₇N₃O₄S

Molecular Weight : 465.57

Batch Number : CP-BRE-DNO-1024

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 to Light Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	Mass Spectrometry	Confirm to Structure
4)	HPLC	96.84%
5)	¹ H NMR	Confirm to Structure
6)	¹³ C NMR	Confirm to Structure
7)	FT-IR	Confirm to Structure
8)	Weight loss by TGA	7.95%
9)	Potency	89.14%

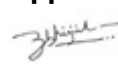


Prepared and Reviewed By



Mr. Shubham Bondre
(Quality Control)

Approved By



Mr. Abhijit Kale
(Quality Assurance)

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