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CERTIFICATE OF ANALYSIS

Analysis Date: Jan 2026

Re-test Date: Dec 2028

Product Name: Brexpiprazole Impurity 32

Identification:

Chemical Name: 8-(Benzo[b]thiophen-4-yl)-5,8-diazaspiro[4.5]decan-5-ium, chloride

Synonyms : NA

CAS Number : NA

CAT Number : CP-B15051

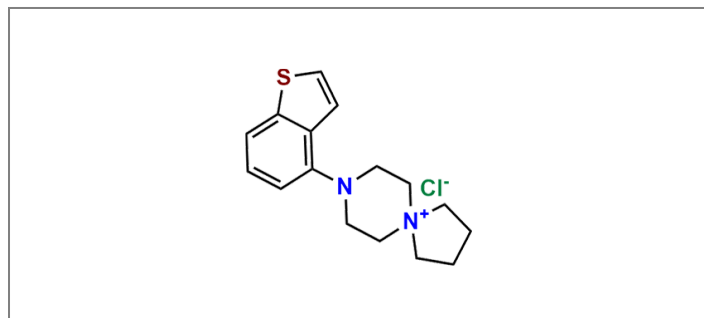
Molecular Formula : C₁₆H₂₁N₂S : 35.45

Molecular Weight : 273.4 : Cl

Batch Number : CP-39-02

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/DMSO |
| 3) | MASS By LCMS | Confirm to Structure |
| 4) | Purity by HPLC | 99.95% |
| 5) | ¹ H NMR | Confirm to Structure |
| 6) | IR | Confirm to Structure |
| 7) | Weight loss by TGA | 4.532% |
| 8) | Potency by TGA | 95.42% |



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.