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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

Re-test Date: Feb 2029

Product Name: Brexiprazole Impurity 86

Identification:

Chemical Name: 4-Chlorobenzo[b]thiophene

Synonyms : NA

CAS Number : 66490-33-3

CAT Number : CP-B15093

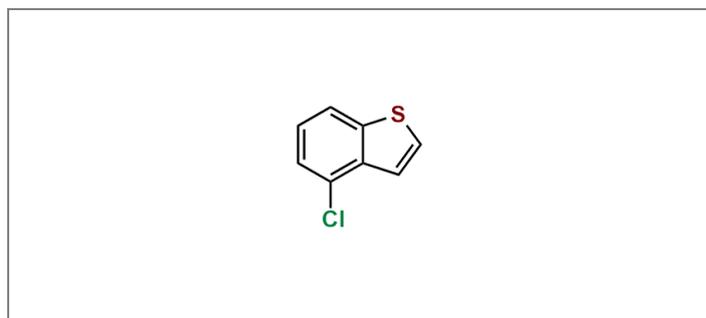
Molecular Formula : C₈H₅ClS

Molecular Weight : 168.6

Batch Number : CP-BRE-86-0326

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	Colorless Liquid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Not Ionized
4)	Purity By HPLC	99.95%
5)	¹ H NMR	Confirm to structure
6)	¹³ C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	2.437 %
9)	Potency by TGA	97.51%



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.