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## CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2025

Re-test Date: Jan 2028

**Product Name: Rivaroxaban EP Impurity F**

### Identification:

Chemical Name: 5-Chlorothiophene-2-carboxylic acid (as per EP)

Synonyms : Rivaroxaban CTCA Impurity ;  
Chlorothiophene carboxylic acid  
(USP)

CAS Number : 24065-33-6

CAT Number : CP-R17006

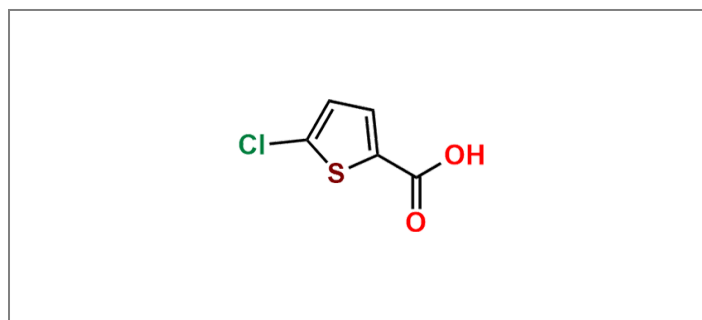
Molecular Formula : C<sub>5</sub>H<sub>3</sub>ClO<sub>2</sub>S

Molecular Weight : 162.59

Batch Number : CHEM-RIV-F

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	99.43%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	IR	Confirm to structure



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

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