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## CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2024

Re-test Date: Oct 2024

**Product Name: Rosuvastatin EP Impurity D**

### Identification:

Chemical Name: N-[4-(4-fluorophenyl)-5-[(1E)-2-[(2S,4R)-4-hydroxy-6-oxooxan-2-yl]ethen-1-yl]-6-(propan-2-yl)pyrimidin-2-yl]-N-methylmethanesulfonamide (as per EP)

Synonyms : Rosuvastatin Lactone ;  
Rosuvastatin (5S)-Lactone ;  
Rosuvastatin (3R,5S)-Lactone

CAS Number : 503610-43-3

CAT Number : CP-R1004

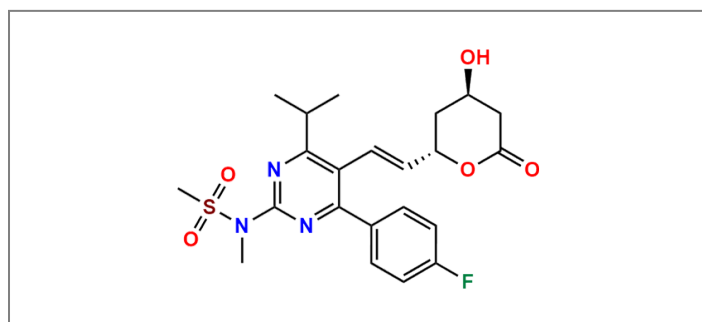
Molecular Formula : C<sub>22</sub>H<sub>26</sub>FN<sub>3</sub>O<sub>5</sub>S

Molecular Weight : 463.52

Batch Number : CP-ROS-D-1124

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 to Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to Structure
4)	Purity By HPLC	99.15%
5)	H1NMR	Confirm to Structure
6)	13CNMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.821%
9)	Potency by TGA	98.32%



**Prepared and Reviewed By**

A handwritten signature in blue ink, appearing to be "Priyanka Salunkhe".

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

A handwritten signature in blue ink, appearing to be "Rohini Gagare".

Ms Rohini Gagare  
(QA Head)

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