

# CERTIFICATE OF ANALYSIS

(Certificate No. KMR010055-02)

Release Date: 18/04/2026

Re-test Date: 17/04/2029

## Rosuvastatin Dehydro Analog

### Identification

**Chemical Name :**

(S,2ZE,6E)-7-[4-(4-Fluorophenyl)-6-isopropyl-2-(N-methylmethananesulfonamido)pyrimidin-5-yl]-5-hydroxyhepta-2,6-dienoate (as per EP)

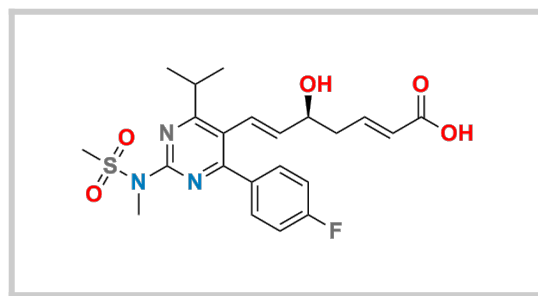
**Alt. Name** : Rosuvastatin EP Impurity N

**CAT No.** : KMR010055

**CAS No.** : 2290571-51-4 (Free Acid)

**Molecular Formula** : C<sub>22</sub>H<sub>25</sub>N<sub>3</sub>O<sub>5</sub>S

**Molecular Weight** : 462.5



### Analytical Information

**Batch No.** : R010055-114-267

**Description** : Off White Solid

**HPLC Purity** : 97.07 %

**Weight Loss By TGA** : 0.60 %

**% Potency** : 96.49 %

**Solubility** : ACN : Water

**Mass** : Confirm

**IR** : Confirm

**<sup>1</sup>H NMR** : Confirm

### Additional Information

**Long Term Storage** : Store at 2-8 deg. C for long term storage

**Shipping Condition** : Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 0.60(Weight Loss By TGA)] x [97.07(HPLC Purity)]/100 = 96.49 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		18/04/2026
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		18/04/2026

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA