CERTIFICATE OF ANALYSIS

(Certificate No. KMR010001-01)

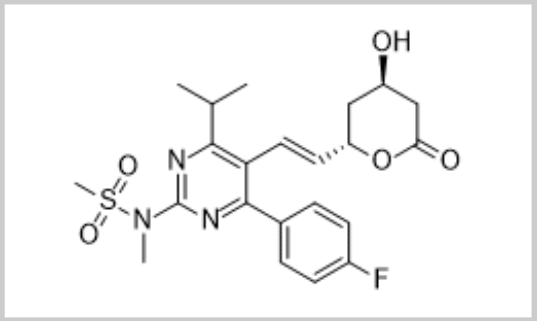
Release Date: 04/04/2026 **Re-test Date:** 03/04/2029

Rosuvastatin EP Impurity D

Identification

Chemical Name :
N-(4-(4-fluorophenyl)-5-((E)-2-((2S,4R)-4-hydroxy-6-oxotetrahydro-2H-pyran-2-yl)vinyl)-6-isopropylpyrimidin-2-yl)-N-methylmethanesulfonamide

Alt. Name	: Rosuvastatin Lactone
CAT No.	: KMR010001
CAS No.	: 503610-43-3
Molecular Formula	: C22H26FN3O5S
Molecular Weight	: 463.52



Analytical Information

Batch No.	: ROS-EPD-011-017	**Solubility**	: ACN
Description	: White Solid	**Mass**	: Confirm
HPLC Purity	: 91.89 %	**IR**	: Confirm
Weight Loss By TGA	: 0.88 %	**1H NMR**	: Confirm
% Potency	: 91.08 %		

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 - 0.88(Weight Loss By TGA)] x [91.89(HPLC Purity)]/100 = 91.08 %
Remarks : COA Re-generated on 03.07.2024
-Re-tested on 04.04.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		06/04/2026
Reviewed & Approved By	Quality Control	Jatin Patel		06/04/2026

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA