

CERTIFICATE OF ANALYSIS

(Certificate No. SZ-C070001-1439)

Analysis Date: 22/08/2022

Re-test Date: 16/08/2024

Carfilzomib In-House Reference Standard

Identification

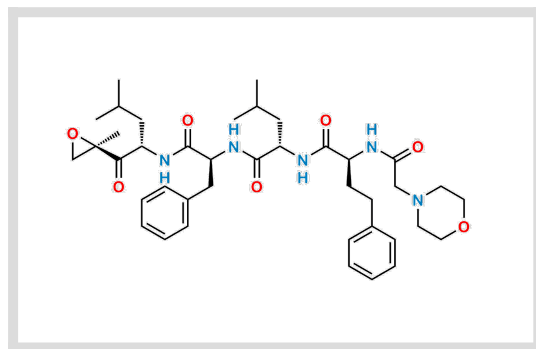
Chemical Name : (Alpha-S)-alpha-[[2-(4-Morpholinyl)acetyl]amino]benzenebutanoyl-L-leucyl-N-[(1S)-3-methyl-1-[[[(2R)-2-methyl-2-oxiranyl]carbonyl]butyl]-L-phenylalaninamide

CAT No. : SZ-C070001

CAS No. : 868540-17-4

Molecular Formula : C₄₀H₅₇N₅O₇

Molecular Weight : 719.9



Analytical Information

Batch Code : SRL-1144-036

Solubility : ACN:Water (80:20)

Appearance of product : White Solid

Long Term Storage : 2-8 °C for long term storage

Weight Loss By TGA : 0.00 %

Residue On Ignition : 0.00 %

HPLC Purity : 99.41 %

Mass : Confirm

IR Analysis : Confirm

¹H NMR : Confirm

¹³C NMR : Confirm

DEPT Analysis : Confirm

Additional Information

% Potency = [100 - 0.00 (Wt loss by TGA) - 0.00(ROI)] X [99.41 (HPLC Purity)] / 100 = 99.41 %

Elemental Analysis (Theoretical) : %C: 66.73 %H: 7.98 %N: 9.73 %S: 0.00

Elemental Analysis (Practical) : %C: 66.12 %H: 7.98 %N: 9.52 %S: 0.00

Recommendation : Released

Department

Signature

Date

Prepared and Reviewed by

Analytical

Approved By

Quality Control

Attachments : HPLC, Mass, ¹H NMR, IR, TGA, ¹³C NMR, DEPT, ROI, CHNS

Shipping Condition : All Products are stable to be shipped at room temperature, unless otherwise specified.