

CERTIFICATE OF ANALYSIS

(Certificate No. SZ-C070004-1141)

Analysis Date: 12/09/2022

Re-test Date: 02/09/2024

Carfilzomib Impurity 2 (RSSSS)

Identification

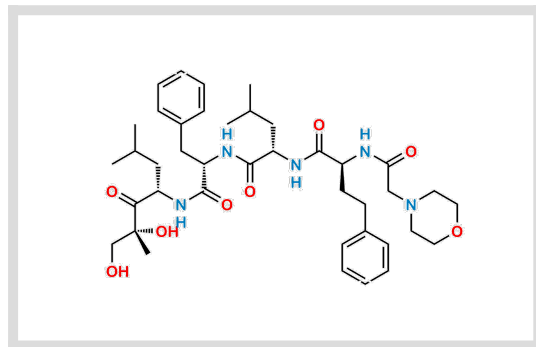
Chemical Name : (Alpha-S)-alpha-[[2-(4-Morpholinyl)acetyl]amino]benzenebutanoyl-L-leucyl-N-[(1S,3R)-3,4-dihydroxy-3-methyl-1-(2-methylpropyl)-2-oxobutyl]-L-phenylalaninamide

CAT No. : SZ-C070004

CAS No. : 1541172-75-1

Molecular Formula : C₄₀H₅₉N₅O₈

Molecular Weight : 737.9



Analytical Information

Batch Code : SRL-1013-249

HPLC Purity : 98.87 %

Solubility : ACN:H₂O (8:2)

Mass : Confirm

Appearance of product : White Solid

IR Analysis : Confirm

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

¹H NMR : Confirm

Weight Loss By TGA : 0.89 %

Additional Information

% Potency = [100 - 0.89 (Wt loss by TGA)] X [98.87 (HPLC Purity)] / 100 = 97.99 %

Recommendation : Released

	Department	Signature	Date
Prepared and Reviewed by	Analytical		
Approved By	Quality Control		

Attachments : HPLC, Mass, ¹H NMR, IR, TGA

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