

CERTIFICATE OF ANALYSIS

(Certificate No. SZ-C070006-1059)

Analysis Date: 28/09/2022

Re-test Date: 27/09/2024

Carfilzomib Impurity 4 (RSSSS)

Identification

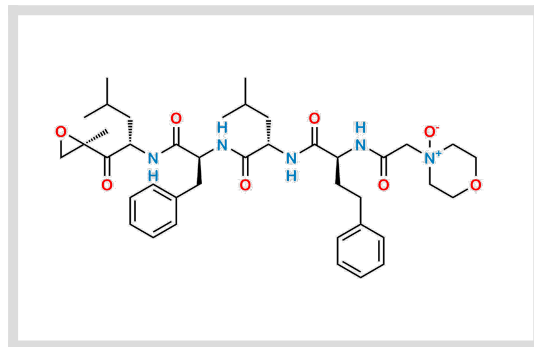
Chemical Name : 4-({[(1S)-1-{{[(1S)-3-Methyl-1-{{[(1S)-1-{{[(2R)-4-methyl-1-[(2R)-2-methyloxiran-2-yl]-1-oxopentan-2-yl]carbamoyl}-2-phenylethyl]carbamoyl}butyl]carbamoyl}-3-phenylpropyl]carbamoyl}methyl)morpholin-4-ium-4-olate

CAT No. : SZ-C070006

CAS No. : 1672698-96-2

Molecular Formula : C₄₀H₅₇N₅O₈

Molecular Weight : 735.9



Analytical Information

Batch Code : SRL-1077-158

HPLC Purity : 94.47 %

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 : 3.49 %

Additional Information

% Potency = [100 - 3.49 (Wt loss by TGA)] X [94.47 (HPLC Purity)] / 100 = 91.17 %

-Temperature sensitive, -Cold shipment should be done. -Use freshly prepared solution.

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.