

# CERTIFICATE OF ANALYSIS

(Certificate No. SZ-C070004-1141)

Analysis Date: 12/09/2022

Re-test Date: 02/09/2024

## Carfilzomib Impurity 2 (RSSSS)

### Identification

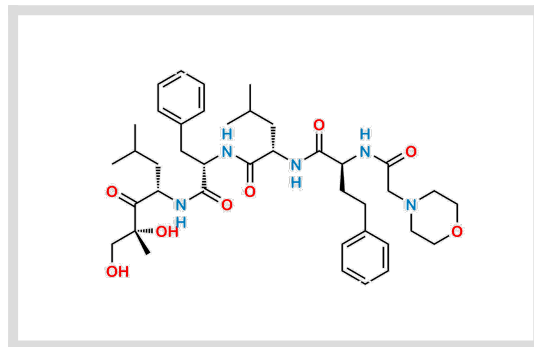
**Chemical Name** : (Alpha-S)-alpha-[[2-(4-Morpholinyl)acetyl]amino]benzenebutanoyl-L-leucyl-N-[(1S,3R)-3,4-dihydroxy-3-methyl-1-(2-methylpropyl)-2-oxobutyl]-L-phenylalaninamide

**CAT No.** : SZ-C070004

**CAS No.** : 1541172-75-1

**Molecular Formula** : C<sub>40</sub>H<sub>59</sub>N<sub>5</sub>O<sub>8</sub>

**Molecular Weight** : 737.9



### Analytical Information

**Batch Code** : SRL-1013-249

**HPLC Purity** : 98.87 %

**Solubility** : ACN:H<sub>2</sub>O (8:2)

**Mass** : Confirm

**Appearance of product** : White Solid

**IR Analysis** : Confirm

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

**<sup>1</sup>H 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, <sup>1</sup>H NMR, IR, TGA

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