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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Carfilzomib N-Oxide Impurity**

### Identification:

Chemical Name: 4-((4S,7S,10S,13S)-10-Benzyl-7-isobutyl-15-methyl-13-((R)-2-methyloxirane-2-carbonyl)-2,5,8,11-tetraoxo-4-phenethyl-3,6,9,12-tetraazahexadecyl)morpholine 4-oxide

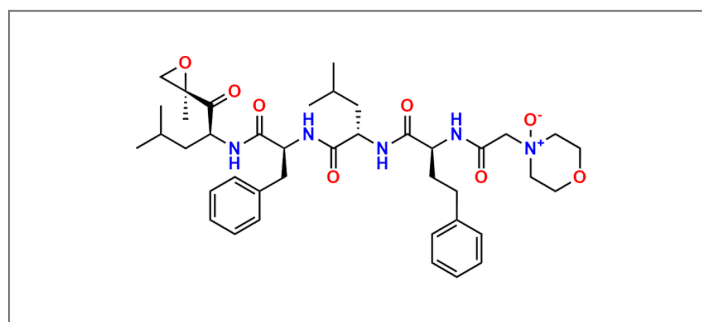
Synonyms : Carfilzomib N-Oxide Impurity

CAS Number : 1672698-96-2

CAT Number : CP-C153021

Molecular Formula : C<sub>40</sub>H<sub>57</sub>N<sub>5</sub>O<sub>8</sub>

Molecular Weight : 735.92



### Analytical Information:

| Sr. No. | Test           | Result                   |
|---------|----------------|--------------------------|
| 1)      | Description    | Solid                    |
| 2)      | Solubility     | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS   | Confirm to structure     |
| 4)      | Purity By HPLC | >95%                     |
| 5)      | H1NMR          | Confirm to structure     |



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.