



## SYNCHEMIA RESEARCH CHEMICAL

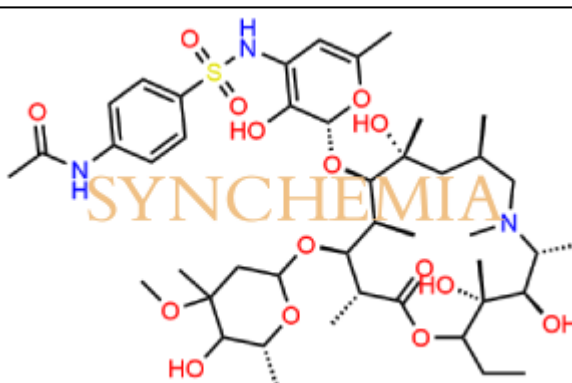
Plot No.408, Prakash Industries, 1st Floor, Bhare Phata, Tal- Mulshi, Dist- Pune, Maharashtra India.

Mob.No: 9404317505 / 7276018915

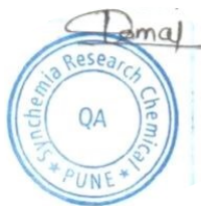
Website: [www.synchemia.com](http://www.synchemia.com)

Email: [info@synchemia.com](mailto:info@synchemia.com) | [sales@synchemia.com](mailto:sales@synchemia.com) | [export@synchemia.com](mailto:export@synchemia.com)

### CERTIFICATE OF ANALYSIS

|  |  |  |
|--|--|--|
| <b>Product Name</b>                                    | : Azithromycin EP Impurity Q   |  |
| <b>CAS NO</b>  | : 2095879-65-3   |  |
| <b>Batch No</b>  | : NA   |  |
| <b>Date of Analysis</b>                                | : NA   |  |
| <b>Retest Date</b>                                     | : NA   |  |
| <b>Structure</b>                                       | :<br>   |  |
| <b>Chemical Name</b>                                   | : N-(4-(N-((2S,3R,4S,6R)-2-(((2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-2-ethyl-3,4,10-trihydroxy-13-(((2R,4R,5S,6S)-5-hydroxy-4-methoxy-4,6-dimethyltetrahydro-2H-pyran-2-yl)oxy)-3,5,6,8,10,12,14-heptamethyl-15-oxo-1-oxa-6-azacyclopentadecan-11-yl)oxy)-3-hydroxy-6-methyltetrahydro-2H-pyran-4-yl)sulfamoyl)phenyl)acetamide |  |
| <b>Molecular Formula</b>                               | : C <sub>44</sub> H <sub>75</sub> N <sub>3</sub> O <sub>15</sub> S   |  |
| <b>Molecular Weight</b>                                | : 918.1 g/mol  |  |
| <b>Sr. No.</b>   | <b>Test</b>  | <b>Result</b>  |
| 1)   | Description  | NA   |
| 2)   | Solubility   | NA   |
| 3)   | Identification<br>1.Mass<br>2.1H NMR<br>3.IR   | Confirm to structure<br>Confirm to structure<br>Confirm to structure |
| 4)   | Purity by HPLC   | NA   |
| <b>Long Term Storage Condition</b> 2–8 degrees Celsius |  |  |

Prepared and Reviewed By



Ms Ashwini Gaikwad  
(QC DEPARTMENT)

Approved By



Ms Komal Kapase  
(QA DEPARTMENT)



**Note:** This is only for Analytical testing purpose, not for Human or Animal Consumption